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Title word cross-reference

- #10 [Loo75]. #11 [WR79]. #2
[BH72a, Cam72, Hea72c, Tut73]. #3
[Fit73, Fit74c]. #4 [Bar73, Fit73, GJ74].
#5 [Cam73]. #6 [HJ74, McC73, Sta74]. #7
[CMR74, FMW74, GJY75a, JG74]. #8
[Fit74a, Hal75, Har77]. #9 [Kah75].
- (2, 4, 4) [Sha15b]. (C^{m+1}) [Gae99]. $1/\pi$
[Wan13]. $1/\pi^2$ [Alm11]. 16 [DS15, DSS15]. 2
[GZ05b, Gol91]. $2W$ [Mur00]. 3
[GZ05b, Myl05, NO91, Sha15b]. $3/2$ [Fri74].
5 [vHK12]. ${}_2F_1$ [vHK12, vHI14]. ${}_2n$
[Cam72, Sun73]. $\operatorname{arccoth}$ [CDJW00]. $\operatorname{mod} p$
- [Tro82]. C^1 [JSS03]. $C^{n \times n}$ [Din09].
 $C\{X_1, \dots, X_d\}[Y]$ [Pér99]. D [Rue05, Tsa00]. F
[BHMM13]. $F(x, u_1, \dots, u_\ell)$, $\ell \geq 2$ [SI00]. F_4
[iL15]. $\operatorname{GF}(q)$ [Vil98]. $GL(nR)$ [Bro09]. J_1
[Gol91]. k [Bar15]. L [GR08, Zwi84]. λ
[Fla88]. \leftrightarrow [Alv00]. n
[BC02, Fit74b, GHL15, KH81, WL08]. ω
[FGHR12]. P
[WGD82, Mor99, Sla91, Tro82, Vol95, Yun74].
 P^3 [HM99]. p^n [Vol95]. Q [Yas08, Zim97,
BDM13, CX08, CDM15, Ghe10, Sho15].
 $Q(4; q)$, for $q = 5, 7$ [DHS04]. R_n [IP11]. S
[Zim97]. $\sin^2 x + \cos^2 x = 1$ [Fat85b].
 $\operatorname{Sym}^n P_m$ [Gae99]. W
[Din09, MS16, SFG13, SFGZ14, LLG08]. X
[DGG15, She10]. Y [She10].

- $y^{(3)} + ay' + by = 0, a, b \in C[x]$ [Ber99a]. Y_{2n} [BH72a, Hea72c]. $ye^y = x$ [Gos98]. $ye^{y^2} = x$ [Gos98]. Z [HL10]. $Z[x]$ [SO09, Zwi84]. Z_4 [MMSY15]. $Z_4[x]/\langle x^2 - 2x \rangle$ [MMSY15].
- [She10]. **-adic** [Mor99, Yun74, Vol95, WGD82]. **-adically** [Tro82]. **-ary** [Mur00]. **-calculus** [Fla88]. **-D** [WL08]. **-deformed** [CDM15]. **-difference** [Ghe10]. **-graded** [HL10]. **-Gröbner** [LLG08]. **-groups** [NO91, Sla91]. **-ideal** [Tsa00]. **-integral** [Zim97]. **-invariants** [She10]. **-modular** [Gol91]. **-modules** [Rue05]. **-polynomials** [GR08]. **-prefix** [KH81]. **-problem** [Sun73]. **-simple** [Bar15]. **-split** [Sha15b]. **-stuffle** [BDM13]. **-th** [Vol95, Zwi84]. **-type** [vHI14]. **-Weierstrass** [Sho15]. **-WZ** [CX08].
 - / [Gon89]. //www.orcca.on.ca/sca2002 [Rei02].
 - '05** [Kau05].
 - 1** [CMR74, Ver75]. **1.0** [GPS97]. **10th** [Ano08a, Mad92]. **130** [LM08]. **14** [Ano01a, MP10]. **14-15** [Sit06]. **17** [ECTB⁺14, MP12, Pos13]. **1968** [Col69]. **1969** [Mos70b]. **1974** [Jen74a]. **1978** [Gak79, Wan78d]. **1979** [Ng79]. **1981** [Wan81]. **1992** [Mad92]. **1994** [Hon94]. **1998** [LR98]. **1999** [Lin98a, Lin98b, RL98, WRL99]. **1st** [Gro95a].
 - 2** [KP97, Lan86, Loo72b, MF83, Rod84]. **2-8849-113-9** [Qui97]. **2-8849-114-7** [Qui97]. **2-distribution** [Edo08]. **2000** [Ano99c, Ano99e, Ano99d, Ano99b, Ano99g]. **'2002** [Ano01b, BBS⁺02, Buc03, Dav03, Gim03, Sch02, Sit02b]. **2005** [Ajw05]. **2006** [Tra06]. **2008** [Ano08a]. **2009** [Hea09]. **2010** [Ano10a, Ano10d, Ano10g, Ano10f]. **2011** [Fit12, JCMG11b, KZ11, May11]. **2012** [Ano12, KRR12, SS12b]. **2013** [Kal13, Roc13]. **2014** [Ano14a]. **2015** [Ano13a, IS16, Kal15, LW16]. **21st** [DMP⁺02, tW99]. **23rd** [DMP⁺02].
 - 3** [GVR04]. **3-540-67733-X** [GVR04].
 - 4** [DP15]. **40th** [Eng15]. **4th** [Ano99b].
 - 5** [AB15].
 - 60th** [RVMH11]. **6th** [Ano99f, Mor89].
 - 70th** [Ano99a, Ano99i]. **73** [Bah77]. **'74** [Jen74a]. **'76** [Jen76]. **'79** [Ng79]. **7th** [Cha90].
 - 80** [Sho82, Sto80]. **80th** [KZ11]. **'81** [Wan81]. **'83** [Ano82a]. **85** [Zas84]. **'86** [Cha86]. **'88** [Gia88, Gia89]. **'89** [Gon89, ISS89]. **8th** [Cha91, Kot02].
 - '90** [WN90]. **'91** [Wat91]. **'92** [Wan92, Sto98]. **'94** [ACM94, Hon94, ISS94, Nod96a]. **'95** [Lev95, Ano95b]. **'96** [Ano95d, CL96, Lak96, Ano95c, Ano95f, DL96, Emi96, Hon96a]. **'97** [Cha96a, Hon96c, Tec98, Sto98, Cha96b, Enc97a, Enc97b, Hon96b, Wes96]. **978** [DP15]. **978-981-270-942-4** [DP15]. **'98** [LR98, Wei97, CW98]. **981-270-942-8** [DP15]. **'99** [Ano98, HKS99, Jef98b, Kal98, RL98, Zim98a, Zim98b, Ber99b].
 - A&M** [Sch02]. **A-hypergeometric** [CDS99]. **A.** [LeS70]. **AAECC** [Mor89, Ano01a, Mio88]. **AAECC-14** [Ano01a]. **AAECC-6** [Mor89]. **Abel** [CTKR99]. **abelian** [Lab15b, WSW13, GGSR99]. **Abell** [Cor96a]. **abnormal** [Joh75]. **Abramov** [CHL14]. **Abramowitz** [CDJW00]. **Absolute**

[CEGW08, BCG09, Cap86a, Sto76].
absolute-value [Sto76]. **Abstract**
[Bar10a, Bul10, CvHL10a, FvH10, Fon08,
GRT10, Ley10, Man10, Mat10, MJF⁺10,
Rad10, Sau10, WB83, YS10, vH10, AsW08,
Alm11, AP08, AM08, Ben08b, BM08, Bur08,
CX08, DK98, DSJL08, Doe08, Ebe08, Edo08,
Elk08, GR08, GZ08, GMGE08, HL08, Ibá08,
Ili08, Iwa08, Jai08, Jon08, JM08, Kel08,
LW08, LM08, Lew08, LLG08, MGR⁺08,
MS08, Nov08, Pet08, Pri08, Pud08, QH08,
Ril08, RG08, Sch08a, Sed08, SCWL08, Tha08,
Thi08, Tsi08, VJ08, WL08, Wat08, Wis84,
Wol08b, Yas08, YK08, ZT08, Zel08, Zho08].
abstraction [Pur80]. **Abstracts**
[AB84, Abd84, Ano82b, Ano95a, Ano00a,
Ano00b, Ano00c, Ano00d, Ano10a, Ano10b,
Ano10c, Ano14a, Ber99b, CCA13b, CCA14a,
CCA14b, CCA14c, CCA14d, CCA15, Enc97b,
Gie08a, Gim03, HKS99, IS16, Joh10, Joh11a,
Joh11b, Joh12a, Joh12b, Joh12c, Joh12d,
Joh13b, Kak98, KZ11, LR98, Loo77b, Loo77d,
Men16, Mon01, Nod96b, RVMH11, Rob01,
Roc13, Sau81a, Sit06, Ter11, Tho09, Wan78a,
Wan78b, Wan79a, Zie15, Zim99, Zim00,
CCA13a, Ajw05, Cap03, GKL07, Hit07,
KV04, KZ06, May11, SS12b, Sit02b, SVZ06,
Wan06a, Wan06b, Wan80c, Wan80b, Loo77c].
ACA [RL98, Hon96a, Kot02, Wes96].
ACA'2000 [Ano99f]. **academic** [sG06].
acceleration [Lew08]. **accepted** [Ano10d].
access [O'B91]. **According**
[CDJW00, Zim76]. **accuracy** [Sha05].
Accurate [JGB12, McN04, Nag04].
accurately [SK10]. **achieved** [SK00].
ACM [Gon89, Jen76, Wan81, Ano95f,
Ano13b, Gie08b, Öre84, ISS89].
ACM-SIGSAM [Gon89, ISS89]. **across**
[KPW06]. **action** [HK05, Lev15b]. **actions**
[CC08, CG11, Gal15, Rue05]. **activities**
[Mio88]. **activity** [Coo97]. **actual**
[BCCR80]. **adaptive** [MBS15]. **Adding**
[van86]. **adic**
[Mor99, WGD82, Yun74, Vol95]. **adically**
[Tro82]. **ADIL** [Fat14]. **Admissible**
[Kre88, Wei87]. **Advanced** [Kou09, dQ78].
Affine [BM08]. **AG** [Joy05a]. **against**
[LM08]. **AI** [Gle92]. **aided**
[Emi15, Lou84, Thi00a]. **Aldes** [Bun83].
Alexandros [Ano14a].
Alexandros-Stavros [Ano14a]. **ALG**
[Kli74]. **Algebra**
[Ajw05, Ano95a, Ano95c, Ano99a, Ano99f,
Ano99h, Ano99i, Ano99j, Ano00a, Ano00b,
Ano00c, Ano00d, Ano01a, Ano01c, Ano10a,
Ano14a, Asl96, Buc02, CCR00, CGG⁺04,
CCM⁺14, Coo97, DMP⁺02, Fèv98, GVR04,
GPS97, HKS99, IS16, Kak98, Kal98, Kot02,
KP97, Lin98a, Lin98b, Lob97, May11,
Mon01, Mor89, Ost99, Rec97, Rei02, RL98,
Rob01, Roc13, Sau81b, Sen90, SS12b, SB97,
Sit02a, SVV95, SJ05, SW97, Ste06, TO97,
WRL99, dR90, Abb04, ABCR07, Abd84,
ACS92, AS16, Akr80a, Akr80b, Ano10b,
Ano10c, Ayd15, BS15, Ban08, Bar02,
Ber99b, BCLA82, BTL99, BDM13, Cal84,
CL87, Cas08, CCM⁺16, CL09, CM02, Coo04,
CJ88, Cor99a, D'A15, DS97, CCA13b,
CCA14a, CCA14b, CCA14c, CCA14d,
CCA15, Far15, FP89, Fat96, Fat15, FSH02].
algebra [GL10, Gim03, GPS08, HSW89,
Hoh88, JN04, Joh10, Joh11a, Joh11b,
Joh12a, Joh12b, Joh12c, Joh12d, Joh13b,
Joy08, Joy09b, JČMG11a, KS94, KPR16,
Kli74, Kog15, Kre88, LW16, Las84, LS03,
LW99, Lew00, Loo74, Lou84, Mac89, Men16,
Mid13, Min15, Moe78, MR84, NP88,
Nod96b, Ovc14, Pag07, Pri08, Ric09, Roa08,
RSSRV89, Sau10, Sha03, Sit06, Sit14, Sta10,
Sto80, Sto84, Sto11, Sto13a, SS07, Suz09,
Ter11, Tif15, Too15, Tri84a, Wil84, Win84,
Xue15, Zen08, Zie15, Zip84, di 82, CCA13a,
Gro95a, Kre01, Qui97, Sit02b, Cor01b].
Algebraic
[ACM94, ACF⁺15, Ano95a, Ano95d, Ano98,
Ano99c, Ano99e, Ano99d, Ano99g, Ano01a,
BF74, Bro93, Cal01, Cap03, Cha86, Cha96a,
DN90, Doo99, Enc97a, Eng15, GK85, Giu01,

- Glo98a, Gon89, GPS97, Gut04, HV98,
HEW⁺14, Jef98b, Jen76, Kau05, Küc97,
 LR98, Lak96, Laz01, Lev95, Lin98a, Lin98b,
 Loo72a, Mon93b, Mor89, Mor02, Mou01,
 Neu69, NMS97, PH81, PS98, Rei00, ISS89,
 ISS94, SST⁺97, Sen03, Tam15, Thi00a,
 Thi00b, Thi08, Tra06, Tra00, Tsi08, Wan78c,
 Wan81, Wan92, WN90, Wat91, Wat05, ÁS99,
 Arn81, Bah71, BS74, BK04, Bib84, Bos84,
 Bro03, Bro04, BCLA82, Bul10, Can69,
 CH85, CE77, CP78, CGL05, CM76, Col74,
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 FCW13, FGVC15, Fre15, GMM87, Gia88,
 Gia89, GJY78, Grö09, GMGE08]. **algebraic**
 [Hei13, Her11, HMS10, Hod11, Ili08, Iwa08,
 Jen79b, Jua15, KS97, KYA08, Ke00, KSZ11,
 Kra83, Küc82, KKM15, Laz80, Lee10, Llo84,
 MK96, Man15b, Man11, Maz15, McI85,
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 SLW15, Sun73, Tri11, Wan75, Wee74, Wei15,
 Wib15, Xia07, YA07, ZL13, Zim84b, Zim84a,
 dCW09, dT84, PH83]. **algebraically**
 [HW75, Ull06]. **algebras**
 [Bre05, CDM15, DM12, Lau15, LS03,
 Lev15a, Poi15, Shi99, Stu10, ZZ15].
- ALGLIB** [SW85]. **Algorithm**
 [Abr00, Hea72b, Nat92, SY14, UW95,
 AMORH15, AW80, AM10a, AM10b, Bar15,
 BGG15, BGM10, Ber83, Bla14, Bro09, But85,
 CL82, CsL08, Dav82b, DX07, EGP11, EL01,
 Fuc08, Gal15, GZ08, GK85, Göb93, HJS13,
 HW75, HM13, HZ15, IKRT89, Iwa05, JMV09,
 Jon08, Kel15, Kem81, KM11, Loo72a, McG84,
 Mos69, Mur00, Pér99, Pop00, Ren82, Rou09,
 RSS15, Sal12, SL10, Sao10, SS92, Sed13, SS93,
 Sun73, SS07, Tri84b, Via13, Wan77, Wan80a,
 WB83, WCF12, Yun74, Zho82, Zim03, Fat14].
- Algorithmic** [Col69, Koe93, HHS12,
 KPR16, KB78, KV04, Rad10, Shi99].
- Algorithms**
 [Ano01a, Ano08a, Ber98b, Cor00, EJP⁺01,
 FT13, Hei70, Hel15, KW97, Knu75, Lin98a,
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 SV93, Sta10, Zim84b, ACF⁺15, BCG09,
 BCCR80, But92, CK04, CL09, Dav12, Ede13,
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 Lin07, Man77, MY74, Mio84, Mon99, PW03,
 Pon88b, Raj80, Sch91a, SB89, SLW15, Win84,
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- ALLTYPES** [Sch07, Sch08b]. **Almost**
 [DMSP10, PR15]. **alternative** [Fat15].
- ALTRAN**
 [BH72b, HJ74, Hal74, Hal75, Fel75b].
- Always** [Ree91, Ree92]. **ambiguous**
 [Kor77]. **American**
 [Ano01b, Bra98, Abd84, Gon88, Sit06].
- AMS** [Akr80a, Akr80b, Joy09a].
- Amsterdam** [Loo77c]. **ANALITIK**
 [HS74, Kor76]. **Analysis**
 [Ano99a, Ano99i, Ano00c, Ano00d, Ban08,
 CC83, GK88, Rei02, Sch83, vH82, AP08,
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 HJS13, IT12, Ke00, Lac92, Nag12, dCW09].
- Analytic** [Loo72b, Iwa05, Ks15, Par15,
 Rag15, SSS⁺11]. **Analytical**
 [SV93, Rod84, Sta10]. **analytically**
 [Bar89, Pea84]. **Anatomy** [Dav79]. **Andrew**
 [Dec14]. **Andrews** [Ano99c, Ano99d, Tra00].
- Annihilating** [Mid13]. **annotated** [Pon87].
- Announcement**
 [Ano98, Ano99a, Ano99c, Ano99e, Ano99d,
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 Cal01, Cha96a, Giu01, Kre01].
- Announcements** [Ano01a, Lin98a, Lin98b,
 RL98, Zim98a, Zim98b, Ano09]. **Annual**
 [Cha90, Mad92, Cha91]. **anti** [Ben08a].
- anti-derivatives** [Ben08a]. **Antitranslator**
 [Kry84]. **ANTS** [KV04]. **any** [HW75].
- ApáTools** [Zen08]. **Apéry** [BB96].
- Apéry-like** [BB96]. **APL** [Hoh88].
- Apollonius** [TE05]. **appearing** [Wol08a].
- Application** [BC81, FG99, LPA15, Oku97,
 PH81, Sha05, Cas08, Fat15, Fel75a, FCW13,
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- Applications** [Ano99f, BMK98, DSJL08,

Gro95a, KW97, Kot02, Mon01, Pon87, Rec97, RL98, Rob01, SI00, TO97, WRL99, tW99, BGLH⁺10, Ber99b, BW98b, BRRT08, CL11, Dur15, Gim03, HI93, How70, Kou09, Lud69, Ple69, Poh81, Spe08, SVZ06, Tec11, Tsi08, Wan80c, Zho15, Zhu15]. **Applied** [Ano95f, Ano01a, Fra80, Gon88, WSW13, Lin98a, Lin98b, Mor89]. **Applying** [CL09]. **approach** [Bar10b, BKSS10, Dim71, Ebe83, Kou09, MCP15, MBS15, Por09, Rad10, SIK05]. **approaches** [Col69, EV05, Xie07, ZKK11]. **Approximate** [BD14, CKW03, Nag08, SST⁺97, SS97, SO09, SW06, Ste06, Fas06, KS97, Nag12, RSS15, Ter10, Ter13, Tri84b, UM12, Zen08]. **Approximation** [Pop97, Sak97, EV05, Pop00, SS13]. **April** [HKS99, Sit06]. **Arb** [Joh13a]. **arbitrary** [Ben08a, Pur80]. **Archimedes** [Loo75, Loo77e]. **architectures** [Via13]. **archive** [Bee98]. **arctangent** [MM89]. **argument** [Row81]. **Arising** [Cor00, Bre05, Cam73, Raj80]. **Arithmetic** [KPS99, Mur14, Web90, Yan91, Joh13a, Joh74, JdM12, LTdD⁺10, LMRS08, Mat10, MBS15, PM07, Pur80]. **arrangement** [FGVC15]. **art** [RSSU79, Zel08]. **article** [MBKP81]. **Articles** [Jef98a, Lob96]. **artificially** [CPS11]. **ary** [Mur00]. **ASCM** [Ano03]. **ASCM'2000** [Ano99b]. **Asian** [Ano99b, Ano03, tW99]. **aspect** [Pre15a]. **aspects** [Kan76, MY74, Sta10]. **assessment** [AsW08]. **associated** [APS15]. **Association** [Ano99f]. **associative** [BS15]. **Asymptotic** [SFG13, dQ77b, Sal91, dQ77a]. **asymptotically** [GK88]. **asymptotics** [FS97, Rai11]. **Atkinson** [But92]. **attack** [Duj08, Iwa08, LM08]. **Attempts** [Sht77a]. **attraction** [Dem12]. **August** [Ano99c, Ano99d, BBS⁺02, Glo98a, Jen74a, Jen76, LR98, Sen03, Tra00, Wan81, WN90]. **Austria** [BW98b, Hon94, Ano99h]. **Austrian** [AF84]. **Author** [Loo77e].

authoring [LW08, Meu03]. **Automata** [Ada96]. **Automated** [CCR00, Gie08b, Pei87a]. **Automatic** [Arn81, Cam75, Cor00, De 99, EJP⁺01, MGR⁺08, Sto76, ABK⁺16, DS10a, DS10b, Gat85, HP67, LD11, Sal91, Ver74, vdR73]. **automatically** [Fat03b]. **automating** [CW72]. **Automorphisms** [Ksi15]. **Available** [Bah77, Sau80]. **avoiding** [Pud08, Ren82, Zho82]. **award** [Kal13, Kal15, Gie08b]. **Axiom** [CGG⁺04, Dal02, Joy08, Pag07]. **B** [Bro03, Bro04]. **B.** [Abr03]. **Background** [Abr98, Abr03, Abr09]. **Backward** [Nag12]. **Balanced** [MX09]. **ball** [Joh13a]. **Barcelona** [Mon01]. **Barker** [BKM07]. **base** [Iwa05]. **Based** [FH96, MZ97, AsW08, Alv00, Ba12, BS15, CL87, CMPS10, CK03, Ede13, EF15, FIS16, GMRT⁺15, HKN10, Jen77, KS81, LW08, Li09, MCP15, MG15, Pea84, PW03, SLW15, Thi00b, Zho15, Zhu15, di 82]. **Bases** [Buc91, BW98a, GS95, GB97, GLGVTZ00, HNT14, Li92, Mon93b, Oku97, Sat97, Sch91b, Win97, Win98, BW98b, CC08, Cor96d, Dah12, DPFD15, FSS15, GSGZ15, HZ15, IS09, JS06, Lev15a, LLG08, Mon99, MA08, Poh81, RZ11, Sal12, SK10, Sat00, Suz09, WW11, ZK11, Zha13, BB80, Buc76a, Ebe83, KB78]. **Basic** [CCM⁺14, Kot01, Mon99, CCM⁺16]. **Basis** [McG04, Buc76b, CLZ08, Ede13, EF15, Fas06, FGVC15, GL13, Liu15, MC95, MSV08, Nag12, Ren15, Sit89, Ste08, Ste00, SLW15, Tam15, Zho08]. **Bates** [Dec14]. **Bath** [Ano99e, Ano99g]. **Baxter** [GSGZ15]. **BC** [Doo99]. **BCH** [BSBC15]. **be** [CDJW00, Mos70a]. **Beijing** [Ano03, Kau05]. **Bell** [Whe87]. **benchmark** [MH85]. **benchmarking** [HL15]. **Bendix** [WB83]. **bent** [Joy15]. **Bergman** [JT91]. **Berkeley** [Sch02, Vol98]. **Berkovich** [Ksi15]. **Bernd** [Sch02]. **Bernoulli** [Har00]. **Bertini** [Dec14, Bat13]. **best** [Moe78].

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Bibliography [Bee98, Fel77, Can91, Mio81, Pon87].
bidegree [CEGW08]. **bids** [Ano13a].
bifurcation [DGK04]. **bifurcations** [Tot15].
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Bitslicing [YS10]. **bivariate** [Bou15, CEGW08, KN00, Kal82b, MP11, SS10, WCF12]. **blending** [BCCL10]. **Block** [Via13, Vil98, Gol91, Xam99]. **Blocking** [SIK14, DHS04]. **Blow** [Sak97]. **Blow-up** [Sak97]. **blowups** [ES11]. **Bonn** [Wat91].
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Branes { [Buc03]. **Braselton** [Cor96a].
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called [Mos70a]. **CAMAL** [Bou72, Fit74c, Hie75]. **Cambridge** [Buc03, Dav03, HI93, BF74]. **CAMP** [Buc84]. **can** [vh74]. **Canada** [Doo99, Mou01, Rei02, Ano98, Ano00a, Ano00b, Ano00c, Ano00d, Jef98b, Lev95].
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- Gut15, HMS10, Hod11, IP11, JSS03, KLV03, Ksi15, Lub11, Roq15, RSS15, SV99, Sha03, Sha15b, Sha15a, Sho15, Tra15, Wei15, Yas08]. **Cut** [Pat96]. **cuts** [ECTB⁺14, PBD10, RJ96]. **cyclic** [Ayd15, OVB15]. **cyclohexane** [Cou15]. **cyclotomic** [AM08, AM10b]. **Cylindrical** [HEW⁺14, Lee10, Bro04, Col74].
- D** [Ano13e, Buc03, Dec14, GZ05b, Myl05, WL08]. **D-Branes**} [Buc03]. **D.** [BY02]. **D5** [DSM⁺05]. **Daniel** [Dec14]. **Darboux** [She10, Tsa98]. **Data** [MP14, PH83, Bun83, FP89, FN73, MP12, Pur80, Too15, YS10]. **Database** [BI91b, SPA⁺99, BI91a]. **Day** [Ajw05, Ano99a, Ano99i, Ano00a, Ano00b, Ano00c, Ano00d, Ano01c, Ano10a, HKS99, May11, SS12b, Coo97, Sit02b, Ano95c, Ano14a, Coo97, IS16, Kal98, Roc13, Sit02a]. **debugging** [KR85b]. **Dec** [LW16]. **decay** [KA99]. **December** [Ano99b, Kot08, tW99, Col69]. **Deciding** [Wei00, PS15]. **Decker** [Hei13]. **decoding** [Bul10, CL11, Joy05a, Qui12, Xam99]. **Decomposing** [Pau15, Sch16]. **Decomposition** [FG99, HEW⁺14, Wan98, BGLH⁺10, Bro04, Col74, GZ05a, JM98, Lee10, NY03, Wan77, Wat08]. **decompositions** [Bla14, GZ08, Li09, MA08]. **Decoupling** [BNN14]. **Dedicated** [BBS⁺02, GL10]. **Deduction** [CCR00, SV93]. **Deductive** [BI91b, BI91a]. **Defect** [JP11]. **defined** [Gla91, Yas08]. **defining** [BMT99, Kat87, Liu15]. **definite** [AZ91, Bel83, CHJ14, Koe95, Lic11, Lic15, Zim03]. **definition** [Sha15a]. **deformed** [CDM15]. **Degree** [BH97, Kno97, Li92, BvzGG⁺01, DMCM15, Gre15]. **degrees** [Sla91]. **DEMOCRACY** [Bar10a]. **Demonstration** [BG97, Sit02b]. **demonstrations** [KRR12]. **demos** [Ano10a]. **Dempster** [Dav03]. **Denominator** [Mur14, Mur09]. **dense** [MX09]. **depend** [Glo98b]. **dependence** [LWZ07]. **Derivation** [EJP⁺01]. **Derivative** [BC02]. **Derivatives** [Hv83, Ben08a, Gol06, Kem81, Koe94, Pri08, Sas04]. **Descartes** [KM05]. **descent** [FvH10]. **descente** [Rec99]. **Description** [Cap86b, Fel75b, Whi78]. **descriptions** [Loo72a, O'B91]. **Design** [Hol92, MP14, dR90, Emi15, Eng87, GMGE08, HKN10, Hel10, Jen77, Jen79a, CL96]. **designs** [KSZ11]. **Detecting** [Ghe14, RG08]. **Detection** [KU14, AHM15]. **determinantal** [SS13]. **determinants** [US06]. **determine** [FSH02]. **Determined** [Cal01]. **Determining** [HM77, NS09, Gal15, dO99]. **Deterministic** [DPQ15]. **Dethroning** [Kel08]. **Developer** [CGG⁺04]. **Developing** [CHH⁺99]. **Development** [ABK⁺16, Gaw77, Lem15, Thi08]. **developments** [AP08, AD10, Ter11]. **diagnostic** [Fat99]. **diagonal** [VJ08]. **Diagrams** [Cal74]. **Dictionaries** [Dav00a]. **Dictionary** [Koh00]. **Difference** [AB14, Ghe14, BD15, CP12, CsL08, Gao15, Ghe10, GHL15, LOW08, Li15, Med15, PR15, Roq15, Sch08a, Wib15, ZZ15, Zha13]. **difference-algebraic** [Med15]. **Differences** [Ged99, KF99]. **Different** [Fat78, Kli74]. **Differential** [AB14, Ano95a, BBS⁺02, Bai02, Bar10b, Ber98b, Cal01, Cor96a, KS15, Kog15, Poi15, Pre15a, PS98, Rue15, SB97, Wil01, vHI14, AZ91, Arr15, Bar15, Ber06, BCLS11, BRRT08, Cha81, Cla69, DM15, FvH10, Fre15, Ghe10, GHL15, Grö09, Grö10, Ili08, Jer15, KPR16, KRR10, LH15, Lem15, Lev15b, LOW08, LYG12, Li15, LMF12, Mad15b, Mai15, Mid13, MBKP81, Ovc14, Rag15, RSV02, RT88, Rue10, SV10, Sch16, SW06, She07, Sit06, Sit14, Tsa98, Wol08a, ZZ15, Zha13, vHK12, vdR73]. **Differential-Algebraic** [PS98]. **Differentiation** [Fat14, Gol85, Cam73, CE77, EB70, Fat98, HHS12, Rag15, WS83, dQ78, vH75]. **Digital** [Hol92]. **dimension**

- [Dah12, FSH02, Lev15a, Lev15b, ZZ15]. **dimensional** [Ban08, CC08, FT12, GS95]. **Dimensions** [Med15, SFH00, JS06, Stu10, Zha13]. **Dimick** [CGG⁺04, JCMG11b]. **diophantine** [MT15]. **Dirac** [IKRT89]. **Direct** [DN90, Kal93a, Zim14, Bar15]. **Director** [Coo93]. **discipline** [Ste06]. **DISCO** [CL96]. **DISCOVERER** [Xia07]. **discrete** [AMORH15, Bet13, ES11, Hol04, HL08, Wol08a, Yas08]. **Discriminants** [McC97]. **discussion** [Bul10, Man10, McG84]. **diseases** [Ebe08]. **Disk** [van80, Gle86]. **displacement** [BJS06]. **Display** [FL91, KPW06]. **dissertations** [Ano10b, Ano10c, CCA13b, CCA14a, CCA14b, CCA14c, CCA14d, CCA15, Joh10, Joh11a, Joh11b, Joh12a, Joh12b, Joh12c, Joh12d, Joh13b, Men16, Zie15, CCA13a]. **Distinct** [Kno97]. **distinguished** [Ano13b]. **Distributed** [Dir00, AsW08, Ber99c]. **Distribution** [Hol04, Edo08, LPA15]. **Divergences** [Cal74]. **diversity** [KPW06]. **Divided** [Ged99, KF99]. **Divisibility** [Wol08b, DX07, NS09]. **Division** [Abr00, KS92, FN75, MP10, Yun74]. **divisor** [Glo98b, HM13, MY74, Sed08]. **divisors** [Gen99]. **Dixon** [CK03, Lew08, LPA15]. **Dixon-based** [CK03]. **DMAS** [AsW08]. **DNA** [BGG15, MSP05]. **do** [Dav82c]. **doctoral** [Ano10b, Ano10c, CCA13b, CCA14a, CCA14b, CCA14c, CCA14d, CCA15, Joh10, Joh11a, Joh11b, Joh12a, Joh12b, Joh12c, Joh12d, Joh13b, Men16, Zie15, CCA13a]. **documents** [Meu03]. **Dodunekov** [Ano12]. **Doing** [BU93a, BU93b, Maz15]. **Domain** [Con90, Cap86a, SI08]. **Domains** [Sat97, Tec11]. **Doron** [RVMH11]. **Double** [FN75, Tot15]. **Drexel** [Sen03]. **Dual** [DM12, MMSY15, Ste08]. **Dynamic** [KR85b, Sor97, CWZ12, IT12]. **Dynamic-debugging** [KR85b]. **Dynamical** [Lab15a]. **Dynamics** [Qui97, Ban08, Bur08, Too15]. **EACA** [Mon01, Rob01, Ber99b, Gim03]. **EACA-2000** [Mon01]. **EACA-2001** [Rob01]. **EACA-2002** [Gim03]. **EACA-99** [Ber99b]. **Early** [Ghe14]. **East** [Ano99i, Ano01c, Ano14a, Coo97, IS16, Kal98, Roc13, Ajw05, Ano95c, Ano99a, Ano00a, Ano00b, Ano10a, HKS99, May11, SS12b, Sit02a, Sit02b]. **Eastern** [Sit06]. **EAT** [LPR99]. **ECC2K** [LM08]. **ECC2K-130** [LM08]. **ECCAD** [Ano95b, Ano95c, DL96, Hit07, Kal98, Sit02b]. **Edge** [Joy15]. **Edge-weighted** [Joy15]. **edited** [Dav03]. **Editing** [KO83, SCWL08, vdHGG⁺13]. **editor** [Hie75, Cet96, Cor96d, CJ96, Cor96f, Cor96b, Cor96e, Cor97a, Cor97b, Cor98b, Cor98c, Cor98a, Cor99b, Dew00b, Gie99a, Gie99b, Gie99c, Gro95b, Jef03]. **editorial** [Fat73a]. **education** [Lic84, Mio84, Sto79, Sto84, Var15, Ano84]. **EEZ** [Wan80a]. **EEZ-GCD** [Wan80a]. **efectiva** [Ibá08]. **Effective** [Ano99e, Ano99g, Dou99, Jer15, KS97, Xam99]. **Effectively** [Tif15]. **Effects** [Ano84]. **efficiency** [Dav82a, SH09, Zas84, vdHLM⁺11]. **Efficient** [Bac97, Ric09, Row81, Sal93, Sch94, Zho08, dCW09, AM10a, CGKZ05a, CGKZ05b, HW75, PS15, Sal11, Wan77, WCF12]. **eigen** [Pan05]. **eigen-solving** [Pan05]. **eigenproblems** [Cor96d, Ste96]. **Eigenvalue** [SN97]. **eigenvalues** [Mor99]. **eighth** [Gim03]. **Eiichi** [Ida05]. **Einstein** [Sch88, NP88]. **Elections** [Wat97a]. **electric** [HYH15]. **electronic** [O'B91]. **elegant** [Ste81]. **Elementary** [CJ98, Cor00, JGB12, Zim84a]. **elements** [LWZ07, Zel08]. **Eleven** [Fat85b]. **eliminating** [WB83]. **Elimination** [Grö98, KW97, Arn10, Col74, FIS16, HW75, Rue15, ZKK11]. **ellipse** [Kah75]. **Elliptic**

- [SVV95, Zim97, Jai08, Roq15, Yas08].
- Emerging** [Ano10d]. **empirical** [Mat10, Nag04]. **encryption** [Kuc87, Tam15]. **End** [Buc02].
- Endomorphisms** [Lau15]. **Energy** [Pop98].
- Eng** [Ano10e]. **Engine** [MZ97].
- engineering** [KS03, Sal12, Xie07, Zho07].
- England** [ACM94, ISS94]. **enhanced** [Eng75]. **enjoying** [HK08]. **ensure** [EGP11].
- entering** [SCWL08]. **Entries** [BK14, Fuc08]. **enumerate** [HM99].
- Enumerating** [VJ08]. **Enumeration** [EL01, Atk81, Dim71]. **enumerator** [JP15].
- enveloping** [DM12]. **Environment** [Ham14, HC97, CHH⁺99, Gro99, Mos70a].
- Environments** [CHJ⁺97, Arn87]. **epistasis** [IVV99]. **Equation** [Wil01, Cha81, GH08, HYH15, KYA08, RT88, Sha05, vTG03].
- Equations** [BBS⁺02, Ber98b, Buc91, Cor96a, GK85, Ghe14, Izu14, KN98, Laz01, Mon93b, NTW97, PS98, Sch02, SB97, vHI14, AZ91, ÁS99, Arr15, Bar10a, BMT99, BPS12, CvHL10b, CP12, Cla69, FvH10, FBOS88, Fat96, Gae99, GK84, Ghe10, GCG83, Grö09, Grö10, Ili08, Kat87, KS15, KKM15, Lab87, LH15, Laz80, Ley10, LMF12, Loo72b, Mai15, Mai99, MT15, MBKP81, Mor87, Nat92, Rag15, Rim84, Roq15, Sán15, Sch16, SH09, Ste10, Tri11, Wol08a, Yun73, vHK12, vdR73, Bai02, Cal01]. **equilibria** [CG11, Tot15].
- equivalents** [Mio82]. **Erratum** [Ree92].
- Error** [Ano01a, BK14, Lin98a, Lin98b, MCP15, Mor89, DGG15, Ele15, Hol04, Joy05b, Nag12, OVB15, Pop00, Xam99].
- Error-Correcting** [Lin98a, Lin98b, Mor89, MCP15, DGG15, Joy05b, Xam99]. **Errors** [SS98]. **Escorial** [RL98]. **espectrales** [Ibá08]. **Essen** [Ano91a]. **essential** [Nor82].
- estimated** [Hol04]. **Estimating** [Dem12].
- Euclidean** [Abr00]. **Eugen** [Ano08b].
- Euler** [Hel15]. **EUROCAL** [Ano82a, Zas84]. **Euroforum** [RL98].
- EUROSAM** [Ng79, Jen74a].
- EUROSAM'79** [Wan79b]. **Evaluation** [Har79, Pre15b, Bro09, CGKZ05a, CGKZ05b, Hir78, MM89, RJ96, Tob70].
- even** [Maz85, Sto80]. **Events** [JK02, Ano13c, Ano13d]. **EVERYTHING** [Zei12]. **Exact** [KLV03, Ste10, Cas08, DDK⁺11, Hei70, MBS15, SS09, Sau10].
- examination** [Nei71]. **Examples** [Gon88, Koe93, Sal91, WL99, Ebn86, JP11, WBD12, Zim97]. **excerpts** [Fat76].
- exchange** [ADS96]. **Exchanging** [BG97].
- Executing** [KO83]. **Execution** [SHS96, Fat99, PH83]. **Executive** [Wat97a].
- exercise** [Pur80]. **expanding** [Myl05].
- expansion** [Iwa05, Mur10, Sto08].
- Expansions** [dQ77b, BG90, Sal91, SI08, Vor80, dQ77a].
- Experience** [Gen74, Sho82, Oll84].
- Experiment** [Web90, BK04].
- experimental** [HKN10]. **Experimentation** [SJ05]. **Experiments** [AF84, AW80].
- Expert** [dR90]. **explanatory** [Lic84].
- explicit** [Bro09, Wil84]. **exploration** [Thi00b]. **Explorer** [CHH⁺99]. **exponent** [Duj08, FGHR12]. **exponential** [CP78, Heb15, RC76, Wei00]. **Exponents** [CL15]. **Expression** [vH82, Zho07].
- Expressions** [BG97, SV93, Web96, Bro74, Cam88, CPS11, EB70, Fat72b, Hal74, KH81, Kor77].
- ExQRGCD** [NM13]. **Extended** [KO83, PST97, Fla88, Ina05, IOS06, JP15, Mur00, SIK05, Wis84]. **Extending** [DGG15, JMV09, KSZ11]. **Extensible** [Wil01]. **Extension** [Iwa05, Cap86b, WS83].
- Extensions** [Gla91, ÜHK82, GGSR99, GR99, Lev15b].
- Exterior** [Sch82]. **Ezcaray** [Rob01].
- F5** [Arr08, EGP11]. **Facilities** [Hv83, vHvH87]. **facility** [BGJ70, Gat85, Gre72]. **Factored** [Hal74, Bro74]. **Factoring** [BvzGG⁺01, MJ14, Nov08, NvH08, WR73, Wan75, Wan76a, CEGW08, GHL15, Jef10,

- Tro82, vH10]. **factorisation** [ABD85]. **Factorization** [Ber98b, Ber06, CJ97, HL10, Ina05, Len84, Mig80a, Mon93a, Tsa98, WL08, Zim76, BCG09, BDM13, Iwa05, Kal82b, Len81, MG89, NW83, SO09, Sch94, SW06, Tho09, vzG92]. **Factorizations** [Kno97]. **factorize** [WCF12]. **Factors** [McC97, Gre15, IOS06, LW94a, LW94b, Mig87]. **Faculty** [Ano08b]. **Fake** [KU14]. **Families** [CMT14, DM12, Koe94, Lub11]. **fan** [DSJL08, DMCMM15, OS06]. **fans** [Hub00, Rue05]. **Farewell** [Zei12]. **Fast** [BCLS11, Dav82a, FGHR12, IKRT89, Sed13, Xie07, AM10b, GK88, Kem81, LMRS08]. **faster** [CM02, Fat03b]. **Fateman** [Gaw79]. **father** [SSS⁺11]. **Faugère** [EGP11]. **feasible** [LM08]. **features** [GMGE08, HS74]. **February** [BW98b]. **Feedback** [DR01, Thi08]. **Fenchel** [BvM06]. **Fermat** [Lew04]. **few** [JS06]. **Feynman** [BKSS10, Cal74]. **FFT** [CMPS10]. **FFT-based** [CMPS10]. **FFTs** [MJF⁺10]. **Fibonacci** [Kel08]. **Field** [Kno97, Far04, Lev15b, PW03, RS89, Sha15a]. **Fields** [BD14, MQB98, Rei02, AV99, Bar10a, Col74, DPQ15, Dem12, ES10b, GH08, Gut15, HW75, Huf15, JM10, NY03, PR15, Ren15, Sch08a, Ull06, Wan75]. **fifth** [Ber99b, Mos74]. **Filters** [Hol92]. **Final** [Fat76]. **find** [Mig77, Mur09, Per15]. **Finding** [Lan93, vHK12, DPQ15, EV05, KKM15, Pan05, Uga12]. **finds** [AZ91]. **Finite** [FG99, Kno97, Mon93b, RS89, Rue05, Bar10a, Dav84, DPQ15, Erö10, Fre15, Fri74, GH08, GK85, Gut15, Huf15, JM10, Kas80, Lab15b, MBKP81, NY03, PW03, PR15, Raa11, Teo15]. **Finitely** [Abr98, Her98, MQB98, SFH00, BTL99, FSH02, Lev15a]. **First** [Ano99c, Ano99e, Ano99d, Ano99b, Cha96a, Bar15, Cla69, FG03, Hei13, MBKP81, Ngô11, Hon94]. **first-order** [Bar15, Ngô11]. **Fix** [Ste08]. **fixed** [Ben08b, EGK09, Hol04]. **FJCC** [Mos70b, Col69]. **Flajolet** [SSS⁺11]. **Fleshing** [MS16]. **Flexible** [Bac97, Cou15, Meu03]. **FLINT** [GR16]. **float** [KS81]. **Floating** [SS98, KS97, MBS15, SK10]. **Floating-point** [SS98, KS97, MBS15, SK10]. **flow** [Bun83, MC95]. **fluids** [Rim84]. **forgotten** [RRRA03]. **Form** [Con90, CMT14, FG99, CP12, Li15, MBKP81, Ull06]. **FORMAC** [Bah69, Bah73a, Bah73b, Bah74, Bah75b, Bah77, Ber70, vH74, EB70, Lud69]. **Formal** [Hv83, Izu14, Koe93, Lob96, Mad15a, Ost99, Pei87b, Pra90, Wee74, Loo74, Mad15b]. **Formally** [Jef98a]. **FORMAT** [GJY75b]. **Forms** [Gor99, Bar15, Bou15, Buc76b, DJ96, LM12, Mid11, Pre15a, Wei87, dO99]. **Formula** [BD14, dQ77b, Che83, Don83, Nei71, Oll84, ST02, Sch71, dQ77a, vdR73]. **formula-manipulation** [vdR73]. **Formulae** [BB96]. **Formulas** [Bar91, Gak79, Ged99, Alm11, Bar89, Ben08a, DD99, Gae99, SCWL08, Ull06]. **formulation** [Jen79b]. **FORTRAN** [Bah69, Ber70, Fat78, Fri70]. **forum** [Öre84]. **Fourier** [AS14, KS14, Akr81]. **Fourther** [Coo97]. **FP** [Mur14]. **FPGA** [SL10]. **Fraction** [MJ14, NTW97, Bar89, Mur09, Sto08]. **Fraction-Free** [MJ14, NTW97]. **fractional** [Sto13b]. **fractions** [Lem15, LOW08]. **framework** [Ber99c, KS13, KSZ11, LD11, Tec11]. **France** [Ng79, DMP⁺02, Mor02]. **Francisco** [Col69]. **Fraser** [Ano98, Ber98a, Doo99, Jef98b]. **Fredholm** [Loo72b]. **Free** [FG99, MJ14, NTW97, Fri70, Gal15, Hea09, Mio74]. **friendly** [HHM10]. **full** [SW06, Tam15]. **FUNARG** [Mos70a, San71]. **Function** [BB96, Piq90, Pop97, RJ96, Yan91, Cap86a, CHJ14, Din09, ES10b, LPA15, MS16, MM89, Mos70a, Pig90, Piq89, Pop00, Ren82, SFG13, SFGZ14, Smi84b, Sto76, Zho82, Mos70a]. **Functional**

- [Izu14, Kri84, BPS12, Wat08, WS83].
- functionals** [Ste08]. **Functions** [Asl96, BH72a, FL91, Gak79, GLGVTZ00, Hea72c, Pop98, AKM16, BH15, BCCL10, Cam72, Cam88, CDS99, CsL09, CsL10, Gol85, Gor98, Heb15, JN04, JGB12, Joy15, Jua15, Kou13, Lac92, LZ05, Man15b, Maz85, MCJ15, Mos69, Ng74, PS15, Raa11, Rai11, RC76, SI08, SPA⁺99, Sta10, US06, Wan13, Wan89].
- functorial** [Bar10b, Poi15]. **functors** [BRRT08]. **funding** [KO13]. **Further** [AP08, Gaw77]. **future** [Bal84, Fat84, Hue84, Sun74, Zip84].
- G** [PT99]. **G-sets** [PT99]. **G.** [Hei13]. **G2V** [Sal12]. **Galerkin** [Mio74]. **Galois** [Arr15, Ber99a, Roq15, Sán15]. **game** [Tha08, ZT08]. **gamma** [Heb15, IKRT89].
- gamma-matrices** [IKRT89]. **GAP** [AY16, DGS16, ES10a, Joy09b, Lin07, pro12].
- Gathen** [Cor01b, Mon93a]. **Gauss** [Fee99, Fuc08, GM94]. **Gaussian** [LPA15, Sto09]. **Gaylord** [Ada96]. **GCD** [BK12, CLZ08, Hea72b, KI11, Mur00, Nag08, PST97, SS97, Sed13, Ter10, Ter13, UM12, Wan80a]. **Gelfand** [ZZ15, Zha13]. **gene** [DSJL08]. **General** [BRRT08, Kor76, Coh74, GK84, GCG83, Kra83, Mac89, MJ13, MBKP81, Ngô11, Ore99, Tec11].
- general-size** [MJ13]. **generality** [Dav82a].
- generalization** [Wat05]. **Generalized** [Lev15a, NMS97, GZ05b, JP15, Lau15, Lev15b, MS16, Rag15, SFG13, SFGZ14, WW11]. **Generated** [MQB98, BTL99, Lev15a, MJF⁺10, Tha08, ZT08].
- Generating** [Ged99, GTLN14, SVV95, Rai11, Wan13].
- generation** [GMRT⁺15, Gat85, Llo84, MJ13, YDH⁺15, dT84]. **generators** [Gra91, MG15, YK08]. **Genetic** [PST97].
- Genoa** [Tra06]. **GENOM3CK** [HMS10].
- GENTRAN** [Gat85]. **Genus** [Doe08, Sha15b, Elk08, GR08, HMS10].
- GeoGebra** [ABK⁺16]. **Geometric** [Fèv98, RSV02, Bar10b, HSW89, Man11, Nie84].
- Geometry** [Ano99e, Ano99g, BU93a, BU93b, FT13, GPS97, MA08, PBD10, Rei02, SJ05, BZ12, CWZ12, DP15, FT15, Hei13, LW08, Maz15, Pec07, SSS05, Tsi08, Wol08a, Ano95a, BU93a, BU93b]. **GeometryEditor** [LW08]. **GeoText** [CWZ12]. **Gerhard** [Cor01b]. **German** [LR98]. **Germany** [CL96, Glo98a, Kot08, Vol97c, Wat91]. **GF** [Gra91]. **Giesbrecht** [Ano13b]. **Given** [Ste99, Gra05, Mur09, RC05, vTG03].
- Gjunter** [RRRA03]. **Global** [Bun83]. **GNU** [tW99, vdH04, vdHGG⁺13]. **Goals** [Eng87].
- GOEDEL** [Ebn86]. **Goes** [Bra98]. **Golden** [DR01]. **gonal** [Wei15]. **Good** [Moe99, Tra15]. **Gordon** [Qui97]. **Goto** [Ida05]. **PGCD** [Ter10]. **GPU** [MP11].
- GPUs** [VY15]. **Graded** [PT99, CM15, HL10]. **gradient** [Ber70, Tob70]. **Graduate** [Sit14]. **graph** [Nie70]. **graphical** [Dim71, LS85].
- Graphing** [CJ98]. **graphs** [Jen15, JM98, Joy15, KH81, Roy91, Thi00a, Thi00b].
- Gravity** [TO97]. **gray** [DS15]. **greatest** [Gen99, Glo98b, HM13, MY74, Sed08].
- Greece** [Kot02]. **Greedy** [CK04, BGG15].
- Gregory** [Mio82]. **GRGEC** [TO97].
- Griesmer** [Fit12]. **Gröbner** [BW98b, Abr09, BB80, Buc91, Buc76a, BW98a, CC08, Cor96d, Dah12, DSJL08, DMCM15, DPF15, Ebe83, Ede13, EF15, FSS15, FIS16, GS95, GLGVTZ00, GSGZ15, HZ15, Hub00, IS09, JS06, KB78, LM12, Lev15a, LLG08, Liu15, Man10, McG04, Mon93b, MC95, Mon99, Mon11, MA08, Nab07, Nag12, Oku97, RZ11, Sal12, SK10, Sat97, Sat00, Sch91b, Sit89, SLW15, Suz09, Tam15, WW11, Win97, Win98, ZK11, Zha13].
- Gröbner-bases** [BB80, Buc76a, Ebe83, KB78]. **Groebner** [Zho15, Zhu15]. **Group** [CC08, Fel77, LN76, ASP15, BHMM13, Ber99a, CR84, CG11, FB70, HK05, KM87, iL15, Lev15b, Man15b, O'B91, Pos13, San91, Sao10]. **Groups**

- [BI91b, HNT14, KS14, RS91, Arr15, BI91a, But85, Gal15, GGSR99, Gla91, Gra91, JR91, Lab15b, Lin07, Med15, NO91, Öre84, Roq15, Sla91, Wib15]. **Guangzhou** [tW99]. **GUAVA** [Joy05b]. **Guest** [Dew00b].
- H** [Qui97]. **Hadamard** [Sch83]. **Hagenberg** [Hon94]. **Hagenberg/Linz** [Hon94]. **Hakki** [Mor10]. **Hamiltonian** [Man15b]. **handled** [Ber70]. **Hankel** [BK12, Sen90]. **Hans** [Ano99a, Ano99i]. **Hansen** [SVV95]. **happen** [vH74]. **hardcover** [Qui97]. **hardware** [Leg84]. **Harmonic** [DMH15]. **hashing** [Pon87]. **Haskell** [VJ08]. **Hauenstein** [Dec14]. **Haven** [Jen75]. **having** [Ghe10]. **Hawaii** [Küc97, Lin98a, Lin98b]. **hazards** [Lic15]. **Heart** [Ste96]. **heat** [Sha05]. **Height** [LW94a, LW94b]. **Heights** [Bes15, Jen76, Jai08]. **Help** [dR90]. **Hensel** [Ina05, IOS06, MY74, Mio82, OS06, Sal11, SI00, SIK05]. **Hensel-type** [MY74]. **Herb** [KZ11]. **Herbert** [Zei12]. **Hermite** [BCCL10, Con90]. **Hermitian** [Edo08]. **heuristic** [Bar10a]. **Heuristics** [HEW⁺14, Sao10]. **Hickory** [Pad02]. **High** [Web90, AF84, Dav82c, JS06, Li09, Lou84, PM07]. **high-level** [Dav82c]. **high-performance** [Li09]. **High-precision** [Web90]. **Higher** [Gak79]. **Highly** [BNN14]. **Hilbert** [CM15, GLGVTZ00, Gor98]. **HIMMO** [GMRT⁺15]. **HISC** [Hec94]. **Historical** [Abr98, Abr03, Abr09, Tob70]. **history** [Fat73b]. **Hölder** [Wib15]. **Holonomic** [Kou13, Kou09, PS15]. **Homogeneous** [GLGVTZ00, Ghe10, Gor98, KM11, MG89]. **homographic** [Myl05]. **Homologa** [Ibá08]. **Homology** [RS91, Dou99]. **homomorphic** [Tam15]. **Homotopies** [Kot01]. **homotopy** [Dem12, Ley16, Ver10, VY15]. **Honolulu** [Lin98a, Lin98b]. **honor** [KZ11, RVMH11]. **Honours** [Gie08b]. **Hopf** [BDM13]. **Horner** [CK04]. **Horospherical** [Man15b]. **hosted** [Tri00]. **HTML** [Soi97]. **http** [Rei02]. **hull** [AHCDT15]. **human** [KS94]. **Hurwitz** [KS15, Tre90]. **Hybrid** [KN97, KN98, KN00]. **hydrodynamic** [CJ88]. **hyper** [AM10a]. **hyper-regularity** [AM10a]. **hyperbolic** [Ben08a]. **hyperelliptic** [Bes15, GR08, Gut15, Sha15b]. **hyperexponential** [AZ91, LZ05, LWZ07]. **Hypergeometric** [CHL14, Le01, Wan13, CGKZ05a, CGKZ05b, Zei91, CDS99].
- idea** [FN73]. **Ideal** [Abr98, Con90, GTLN14, Her98, APS15, BGM10, Gao15, GGSR99, LLG08, Liu15, MMNR15, Mon11, MA08, Per15, RRRA03, Tsa00]. **Ideals** [GS95, Li92, Wan98, BLH10, Buc76a, CC08, FT12, GZ05a, GZ08, Hub00, JS06, KM11, KB78, NY03, Rou09, Spe08, dCS99]. **idempotent** [Dur15]. **Idempotents** [GTLN14]. **Identifiability** [BCCR80]. **identification** [Hir78, KI11]. **Identities** [BH97, CP88, McI85, Zei91]. **identity** [GMRT⁺15]. **identity-based** [GMRT⁺15]. **II** [Tha08, BH15, Lab15c, LW94b, Wan89, Zim00]. **III** [Dav82b]. **Iliopoulos** [Ano14a]. **ill** [Mai99, Ste06]. **ill-chosen** [Ste06]. **ill-conditioned** [Mai99]. **Illinois** [Pad02]. **IMACS** [Gro95a, RL98, Ano99f, Hon96a, WRL99]. **IMACS-ACA** [RL98, Hon96a]. **IMACS-ACA'2000** [Ano99f]. **images** [MMSY15]. **impact** [Man77]. **implement** [Sto11]. **Implementation** [BHMM13, EJP⁺01, FF82, IS09, NY03, Sch82, Smi84a, SS07, CL96, CMX10, Fri70, HS74, Koh10, Loo74, McG84, Raj80, SL10, Suz09, Whi78]. **implementations** [The10a]. **Implementing** [LM08, Thi08, Pur80, SLW15]. **Implications** [Wan76b]. **implicit** [FGVC15]. **Implicitization** [Ore99, EK12, JSS03, KLV03, Rue10]. **importance** [Grö10]. **important** [Ste06].

Improved [CHL14, Hea72b, Jar12, KS14, Maz85, Iwa08, KB78]. **improvement** [But85]. **improvements** [Nam86]. **Improving** [Ede13, Tri84b]. **Incidence** [BU93a, BU93b]. **including** [Iwa05, Zel08]. **inclusions** [GK85]. **Incoming** [Gie99c]. **incomplete** [Heb15]. **Inconsistency** [GLS97]. **Incremental** [FCW13, Ede13, GZ08]. **Indefinite** [Zim14, Koe95, Lic11, Wan91]. **independence** [CP78]. **indeterminateness** [Kem81]. **Index** [Ano82b, dCS99]. **Indexed** [Fel77]. **indices** [DMH15]. **inductive** [RZ11]. **Industrial** [BC81]. **Inequalities** [Mig87, Xue15]. **inexact** [NS09]. **infectious** [Ebe08]. **infinite** [CX08]. **INformatics** [Ano01b]. **Information** [Coo93, Koh00, Pat96, ADS96, Arn10, Dal01]. **Infrastructure** [Koh00]. **Infrastructures** [Fon08]. **Initial** [PS98, Sak97, Ili08]. **Initiative** [Bra98]. **innermost** [Sti83]. **Innovator** [Gie08b]. **INRIA** [Vol96, Vol97b, Vol97c]. **INRIA-Rocquencourt** [Vol97c]. **inscribed** [Mor10]. **Institute** [Jen74a, Rei02, Vol97c, Vol98, Sit06]. **instruction** [HLS84]. **integer** [Mig87, Mur00, SS92, Sed08, Tho09, YK08]. **integer-to-rational** [SS92]. **Integers** [Li92, Vol95, Cav75, Fit74b, Mig77, Nag08, Sed13, Sto09, WR73]. **integrability** [Tsa98]. **integrable** [CTKR99, Mad15a, WSW13]. **Integral** [KN97, KN98, Bar89, Dav79, Kal82b, Loo72b, SH09, Vas99, Zim97]. **Integrals** [Gak79, Piq90, AZ91, Bar03, BH15, Bel83, BKSS10, CHJ14, Grö09, Heb15, JRH15, KKM15, MCJ15, Pig90, Raa15, Roa08]. **Integration** [Buc90, Dav84, Heb15, Kas80, KO83, Raa11, Sor97, Cam88, Col69, DDK⁺11, Fat15, JRH15, Jua15, Kan76, Koh10, Lab15c, Lem15, Lic11, Lic15, MBKP81, Mos69, Ng74, Piq89, Ren82, SS83, Zho82, Zim03]. **integrator** [Hel10]. **integro** [BRRT08, KRR10, Mid13]. **integro-differential** [BRRT08, KRR10, Mid13]. **intelligent** [CWZ12]. **Intensive** [BW98a]. **interaction** [KS94, Kli74]. **Interactive** [Dir00, KO83, KR85a, Wri00, BGJ70, Fat73b, Jen70, LaP72, LW08, LS85, Oll84]. **interactively** [Kal82a]. **interdisciplinary** [Far04]. **interest** [Öre84]. **interesting** [Bah73a]. **Interface** [ASW89, LS85, Sto13a, vH84]. **intermediate** [vTG03]. **intermolecular** [Bre05]. **International** [ACM94, Ano84, Ano95d, Ano99c, Ano99e, Ano99d, Ano99f, Ano99g, Ano99j, Ano08a, Bai02, Bro93, CL96, Cha96a, Doo99, Enc97a, Eng15, Gia88, Gia89, Glo98a, Gon89, Gro95a, Gut04, Hon94, Hon96c, Kau05, Kot02, Küc97, LR98, Lak96, Lev95, Mor89, Mor02, Mou01, Ng79, Pad02, Rei00, ISS89, ISS94, Sen03, Tra06, Tra00, Wan92, WN90, Wat91, Ano98, Cap03, Giu01, Jef98b]. **interplay** [MR84]. **Interpolation** [Car03, KU14, vdHL14, AGR13, CsL08, CsL09, JM10, KN00, MT15]. **Intersection** [MQB98, Ba12, BGM10]. **INTERTWINED** [Zei12]. **Interval** [BMK98, Mur14, Abb14, Mur09]. **Intrinsic** [CGL05]. **Introducing** [Cal84]. **Introduction** [GM94, Smi74, Ebn86, Pea84, SS68, Zel08, Wan78c]. **invariant** [Göb93, Kog15]. **Invariants** [Gor99, SV10, Bar99, HK05, Kog15, Lab15a, Lab15b, Sar15, SW06, She10, Thi00a, Thi00b]. **Inverse** [NMS97, Ben08a, Cla89, Grö10, Pop00]. **inverses** [IMSS08]. **Inversion** [SY14]. **invertible** [Jef10]. **Inverting** [MV11]. **Investigating** [Too15, WB95]. **Investigation** [Pop97, CHH⁺99, MBKP81, Win84]. **Invited** [Ano00a, Ano00c, Ano00d, HKS99, Ano10a, Wan78d]. **Involutive** [GS95, GB97, Ger98]. **involving**

[Cam76, Cam88, Fri74]. **Irreducible** [BKM07, GZ05a, Gae99, GZ08]. **ISAAC** [Gut04]. **ISBN** [DP15, GVR04, Qui97]. **ISBN-10** [DP15]. **ISBN-13** [DP15]. **Isn't** [CJ92]. **Isolated** [SS11]. **Isolation** [DK98, Akr78, CMX10, Rum77, Ts16]. **ISOLDE** [BPS12]. **isomorphism** [Teo15]. **ISSAC** [Gia89, Gon89, LR98, Wan92, ACM94, Ano95d, Ano98, Ano99c, Ano99d, Ano13a, Cha96a, Cha96b, Coo96a, Doo99, Enc97a, Enc97b, Gia88, GKL07, Glo98a, Jef98b, Kal96, Kau05, KRR12, Küc97, Lak96, Lev95, Tec98, Mor02, Mou01, ISS89, ISS94, Sen03, Sto98, Tra00, Tro97, Wan06a, Wan06b, WN90, Wat91, Wei97, Zim98a, Zim98b, Dal01]. **ISSAC'2001** [Rei00]. **ISSAC'93** [Bro93]. **ISSAC'98** [Tsa98]. **ISSAC'99** [Zim99, Zim00]. **Issue** [Ano10g, Ano10f, Dew00b, KW97, Mon96, SB97, SW96, SW97]. **Issues** [Kat87, KS94, Lic11, Mio84]. **Italy** [Gia88, Gia89, Mor89, Tra06, Ano91b, GMM87]. **Iterated** [McC97, Koe94]. **Iteration** [Cor96c, SS13]. **Iterative** [AHCDT15, Izu14, Sak97, Pop00, Ter10]. **itsol** [Izu14].

J [Ano99a, Ano99i, Dec14]. **Jacobi** [CL82, SS93]. **Jacobian** [Pau15]. **Jacobians** [BSS15, Doe08, Sha15b]. **James** [Fit12]. **January** [Hea09]. **Japan** [WN90]. **Japanese** [Kak98, Nod96b]. **JAVA** [CCR00, Ber99c]. **Jenks** [JCMG11b, Ano13e, CGG⁺04, Kal13, Kal15]. **Jerrard** [AJ03]. **Joachim** [Cor01b]. **Johnson** [Buc03, ASP15]. **Johnson-type** [ASP15]. **Joint** [Ano99a, Ano99i]. **JOME** [Dir00]. **Jonathan** [Dec14]. **Jordan** [Bre05, FG99, Wib15]. **Journal** [KW97, SB97, SW97]. **Joux** [AMORH15]. **JSC** [SW96]. **Jügen** [Cor01b]. **July** [ACM94, Ano98, Bro93, Cha86, Doo99, Gia88, Gia89, Gon89, Gut04, Jef98b, Kau05, Küc97, Lak96, Lev95, Mor89, Mor02, Mou01, Rei02, ISS89, ISS94, Tra06, Wat91, LW16]. **June** [Ano99e, Ano99f, Ano99g, Kot02, Mad92, Ng79, Pad02, RL98, Ano10g].

K3 [Elk08, Kel15]. **Kahan** [Lau77]. **Kalkbrener** [Kal93a]. **Kanellakis** [Gie08b]. **Kantorovich** [LS16]. **Karlsruhe** [CL96, Kot08]. **Kay** [Fri70]. **key** [BS15, Dur15, GMRT⁺15, Iwa08, Küc87]. **Khachian** [AW80, Raj80]. **Khachian-type** [AW80, Raj80]. **Kiang** [McC73, Sta74]. **Kiev** [Bro93]. **kind** [Loo72b]. **Kingdom** [Ano99e, Ano99g, ISS94, ACM94]. **Kirillov** [ZZ15, Zha13]. **Kloosterman** [Bro09]. **knot** [HMS10]. **know** [Sch75]. **knowledge** [CL87, Her11, Lee10]. **knowledge-based** [CL87]. **Knuth** [WB83]. **Knuth-Bendix** [WB83]. **Kolchin** [Ovc14, Sit14]. **Koszul** [Rou09]. **Kovacic** [UW95]. **Krandick** [Joh12e]. **Kreuzer** [GVR04]. **Kutta** [Cam73]. **KWIC** [Ano82b, Fel77]. **Kyoto** [Kak98, Nod96b].

L [Dal01]. **label** [APS15]. **laboratory** [Abb04, CW72, Eng87, Gra87, Mae87b]. **lacunary** [Gre15]. **Lacunaryx** [Gre15]. **Lagrange** [CLZ08, FGVC15]. **Lambert** [Din09, MS16, SFG13, SFGZ14]. **Language** [Fat90, Gle92, Kry84, Pra90, AD10, Dav82c, DS10a, DS10b, Ebn86, HS74, Jen74b, Jen79a, Kor76, LTdD⁺10, Nei71]. **languages** [Can69, HKN10, HI93, Hue84]. **Laplace** [Cla89, Nor80]. **large** [Ban08, BJS06, EB70, Lew04, Wol05, Wol08a, Zho07]. **large-dimensional** [Ban08]. **larger** [Wan76a]. **laser** [KSS15]. **last** [SK00]. **LATIN** [Ano01b, Ano01b]. **lattice** [APS15, Poh81, Rou09]. **Lattices** [Len81, ASP15]. **Laurent** [Koe93, LYG12, Wat08, WSW13]. **Lazutkin** [BBS⁺02]. **lazy** [MBS15]. **LCM** [CLZ08, Rou09]. **leading** [Iwa05]. **Learn** [Buc90]. **Learning** [Ano93]. **least** [EGK09]. **Lecture** [Sch02]. **lectures** [Wan78d]. **left**

- [BCLS11]. **leftmost** [Sti83]. **Legendre** [Fee99]. **Leipzig** [Las84]. **LEMA** [LTdD⁺10]. **length** [FN75, NO91, Poh81]. **Leningrad** [RRRA03]. **LeSchack** [LeS70]. **LET** [Sht77b]. **Letter** [Coo93, Ebe06, Gaw79]. **Letters** [Bee98]. **level** [Dav82c]. **Lexicographic** [Ree91, Ree92, Dah12]. **Liapunov** [Wan89]. **libraries** [AKM16]. **Library** [BKR⁺91, FT13, MPW97, CML⁺08, CDL⁺11, FT15, HMS10, JR91, Joh13a, LMX05, LMRS08, Maz15, MJ13, PM07, Ric09, Qui12]. **LiDIA** [MPW97]. **Lie** [Poi15, GJ74, Mig77, Bar73, Gal15, Shi99]. **life** [Bar02]. **lifting** [CL11, Sal11, Ste10]. **like** [Alm11, BB96, Fat87, LS16, SS13]. **likelihood** [LPA15]. **Lille** [Mor02]. **Limit** [Har79, Kem81]. **limited** [FT12]. **limits** [AKM16, Kau03]. **line** [Sed08]. **Linear** [AB14, Bak93, BK14, Ger98, Ghe10, Ghe14, GLS97, GS97, Lob97, MMSY15, NTW97, Rue10, SIK14, AW80, Arr15, BK04, BPS12, Bar15, Ber06, BJS06, BCLS11, Bou15, Bul10, Cas08, CvHL10a, CvHL10b, CP12, CL09, Cla69, DMSP10, DMCMM15, FvH10, Far15, GK88, Grö09, Grö10, JdM12, LWZ07, Mad15b, Pet08, Raj80, Sau10, Sch94, SW06, She07, Ste10, SLW15, Suz09, Tsa98, Vil98, Wei87, Wei00, WSW13]. **linear-exponential** [Wei00]. **linkages** [Kou16]. **linked** [Moe78]. **Links** [BKR⁺91]. **Linz** [BW98b, Buc84, Vol96, Vol97b]. **Liouville** [Kas80]. **Liouvillian** [LMF12, Raa11]. **Lisp** [Fat14, Cam75, Fat78, FF82, Gre72, Hea69, KS81, Mos70a, Nam86, Whi78, Fat90, FL91, FH96, Fat98, Fat03b, Kal82a, Lan86, MHGG80, MH85, Wil92, Yan91]. **LISP-based** [KS81, FH96]. **Lisp-Language** [Fat90]. **Lisp/360** [Kal82a]. **LISP/370** [Whi78]. **list** [Akr80a, CL11, Fat03b, LaP72, Moe78, NFIS69, Qui12, SS68, SVZ06]. **live** [HK08]. **LLL** [MSV08]. **LLL-reduced** [MSV08]. **load** [MC95]. **Local** [DM15, SIK14, DS15, Sht77a]. **localize** [BLH10]. **LocalizeRingForHomalg** [BLH10]. **logarithm** [Hol04, HL08, Yas08]. **logarithmic** [CP78, Fat98, Jua15, Sán15]. **logarithms** [AMORH15]. **Logic** [Ano99k, Bak93, Bib84, DS97, Kan76]. **London** [Ano00a, Ano00b, Ano00c, Ano00d, Mou01, Rei02]. **long** [Ste81]. **look** [HL08]. **Loop** [RS91]. **Lorenzen** [Pra90]. **Lorenzo** [GVR04]. **low** [SS13]. **LSSS** [WSW13]. **LU** [Jef10, PW03]. **lubrication** [CJ88]. **Ludeman** [Ber70]. **Lüroth** [Jer15]. **LWE** [ACF⁺15]. **Lyon** [DMP⁺02]. **Lyons** [Sao10]. **M** [RRRA03, Akr87, MF83]. **M.A.H.** [Dav03]. **M4RI** [SLW15]. **MA** [HI93]. **Macaulay** [DD99, Grö10, Lew08, Min04, Spe08]. **Macaulay2** [Ley16]. **Machine** [Fat78, RSSRV89, SS83]. **MacMahon** [AP08]. **Macpherson** [Hel15]. **MACSYMA** [AW80, Cla89, Fat72a, FMW74, Fat87, Fit73, Loo77a, Mos74, Raj80, SB89, Wan75, WS83, Zip75, Gol85, Tec98, RS89]. **MACSYMA-like** [Fat87]. **MAD** [Meu03]. **made** [Sau81b]. **Madrid** [RL98]. **Mai** [Ano99b]. **main** [Sar15]. **man** [SS83]. **management** [Arn10, Dav03, Her11]. **manifesto** [Sto13a]. **manipulating** [Wan91]. **Manipulation** [Ng79, Ste82, dQ77b, BS74, BF74, Che83, Don83, Fla88, Hir78, Jen79b, Nei71, Oll84, Pon87, Pon88b, Pon88a, Sch71, SW85, Smi84a, Tut73, Wan80c, Wan80b, dQ77a, vdR73, Wan78c]. **manipulations** [Mio81, RS89]. **manipulative** [LW08]. **Manual** [SvH81]. **Manuel** [Bro13]. **Many** [Abr98, Her98, Elk08, Fri74, Sed13]. **Maple** [Cha90, Cha91, Cor96a, Mad92, KRR12, LMX05, LMRS08, AZ91, Ano95e, BPS12, CGG83, CML⁺08, CDL⁺11, CM99, ECTB⁺14, Gon88, Hel10, Izu14, JT91, JM98, KRR10, Min04, MP10, MP12, MP14,

- PM07, Pos13, Sal93, YA07, Zie91].
- MapleTech** [Mon96]. **mapping** [JT91].
- maps** [DS15, HL08, MMSY15, Wei15].
- March** [Ano99h, Ano10f]. **Marichev** [Gak79]. **Mark** [Ano13b]. **Marseille** [Ng79].
- Martin** [GVR04]. **MAS** [KP97]. **massively** [Ber99c]. **Matching** [KN87, Fat15, McI85, RSSU79].
- MATCONT** [DGK04]. **Math** [Pad02, Lic84, Sto79]. **Mathemagix** [vdHLM⁺11]. **Mathematica** [Ada96, Fat90, KA99, Kou13, Nag07, PDP00, Tro97].
- Mathematica-to-Lisp** [Fat90].
- Mathematical** [Ano84, Ano95e, BG97, Bor98, Gon88, Ham14, Her11, MP14, Sit06, Vol98, Wat98b, ADS96, CC72, Eng87, GGdR⁺15, Gri76, Gro99, Hor15, How70, Joy09a, LN76, Mae87b, Meu03, Mio84, Pea84, SPA⁺99, SCWL08, Sun74, Wan80c, Wan80b, Zas84, Kot08].
- mathematician** [RRRA03]. **Mathematics** [Ano99b, Ano99f, Ano03, Ano08b, BMK98, Buc02, Dir00, FH96, Gie08b, Soi97, Ste82, Wri00, tW99, AsW08, Arn87, BKKS05, BGJ70, FC99, FB70, Fra80, HK08, HLS84, Hue84, Ril08, Sho82, Ste81, Var15, Wan76b, Zel08, Zho07]. **MathLibre** [Ham14].
- MathML** [Pad02, Alv00, Car00, Pad02, Soi97, WL99, Wri00]. **Matlab** [DGK04, Zen04, ZL13]. **Matrices** [CMT14, Sen90, AM10a, BK12, DJ96, Fri74, Fuc08, Gen99, IKRT89, JMV09, Jef10, LMTV05, MV11, Mid11, Rue15, Uga12, WL08, WW11, Wis84]. **Matrix** [BD14, Con90, CJ97, EG96, Ste96, SY14, Ba12, CL09, Cor96d, DIS10, HHM10, LM12, Lew04, MK96, Mor99, Pan05, SH09, YS10, YK08, dO99, Cap86b, De 99].
- matrix-vector** [HHM10]. **Matu** [SK16].
- Matu-tarow** [SK16]. **Maui** [Küc97].
- maxima** [Joy06]. **Maximal** [Lan93, SS12a, BLH10, JR91].
- maximization** [LPA15]. **maximum** [Xue15]. **maximum/minimum** [Xue15].
- May** [Ano00a, Ano00b, Ano00c, Ano00d, DMP⁺02, Sch02]. **McCrimmon** [BH97].
- McEliece** [MG15]. **MCR** [MZ97].
- MCR-Based** [MZ97]. **Means** [SVV95, BCCR80, Jen79b, vdR73].
- measure** [MS08]. **measurements** [BS74].
- mechanical** [Ban08, Sau81b].
- Mechanically** [Bar91]. **Mechanics** [Ano08b, BC81, GL10]. **Meeting** [Coo96a, Coo96b, Mon01, Lak98, Rob01, Abd84, Ano99a, Ano99i, Ber99b, Coo97, Gim03, Nod96b, Rei02, Wan78d, Kak98, Sit06].
- meets** [DS97]. **MEGA** [Ano99e, Ano99g, AD10]. **melding** [Tif15].
- Memorial** [JCMG11b]. **Memoriam** [Ano08b, CGG⁺04, Joh12e, Ano10e, Ida05].
- Memories** [SK16]. **Memory** [Fat03b, Web90, BBS⁺02, CM02]. **merely** [Ste81]. **Mesh** [Cor00]. **Message** [Ano14b, Ano14c, Cet96, Cor96f, Cor96b, Cor96e, Cor97a, Cor97b, Cor98b, Cor98c, Cor98a, Cor99b, Cor01a, Cor02, Dew00b, Gie99a, Gie99b, Gie99c, Gro95b, Jef03, Kal93b, Kal95, Kot14a, Kot14b, Wat96, Wat97b, Cha97]. **META** [Jen70]. **META/LISP** [Jen70]. **Method** [HM77, Lev15b, SN97, Akr78, Cam73, CX08, Fit74b, GH08, JT91, Koh10, KM05, LS16, Mio74, Mur09, Pei87a, Rim84, SS09, Ter10, Tri84b, Tri11, Zim76, dO99, vTG03].
- methodology** [Var15]. **Methods** [Ano99e, Ano99g, Ber98b, Kot08, NMS97, Bal84, Dem12, FSH02, KS03, Lic11, LMF12, Man11, McN04, She07, UM12, Xie07, vdR73].
- metric** [Jen15]. **metrics** [NP88, Sch88].
- MICA** [Gie08a]. **Michael** [Dal01]. **micro** [di 82]. **micro-computers** [di 82]. **middle** [AS14]. **Mignotte** [Akr87]. **million** [BvzGG⁺01]. **MIMD** [RSSRV89].
- minicomputers** [CM76]. **minima** [Poh81].
- Minimal** [GB97, Jai08, Le01, Lub11, Sha15a, Bla14, DHS04, HJS13, Mur09, NFIS69, Poh81, YK08]. **MiniMaple** [KS13].
- Minimax** [Cor00]. **minisymposium**

- [CW98]. **Minsk** [Gak79]. **Minutes** [Coo96a, Coo96b]. **MIR**A [Gaw77]. **misdeemeanors** [Sto12b]. **mixture** [LPA15]. **MKM** [Far04]. **MMICS** [Kot08]. **Mobile** [BKKS05]. **Modal** [BMK98]. **Mode** [PH81, AE83, CH85, Jen77, PH83]. **mode-based** [Jen77]. **Model** [DN90, Coo04]. **modeler** [HYH15]. **Modelling** [Ada96]. **Models** [Bur08, BCCR80, Cas08, Sha15a, Zas84]. **Modern** [Cor01b]. **modes** [KSS15]. **Modified** [Fuc08, AW80]. **Modifying** [EGP11]. **MODLISP** [DJ81]. **modpn** [LMRS08]. **Modula** [KP97]. **Modula-2** [KP97]. **Modular** [BD14, Hea72b, SHS96, CL09, Ebe83, Gol91, MJF⁺10, Pre15a, Xie07]. **modularity** [vdHLM⁺11]. **module** [Teo15]. **Modules** [CM99, Sor97, CML⁺08, Lev15a, Rue05, Zha13]. **Modulo** [Vol95, LOW08, MV11]. **molecular** [Bar89]. **Monomial** [Sch91b, BMT99, BGM99, D'A15, Fas06, GZ05a, GZ08, LLG08, Rou09]. **monomialideal.lib** [BGLG12]. **monomials** [iL15, Mid13]. **monotonicity** [Joy15]. **Monsters** [EDS00]. **Monthly** [Gon88]. **Montréal** [Lev95]. **Moscow** [Ano08b, AS16]. **Motion** [Kou16]. **Movers** [Dav86]. **moving** [BGJ11, Ste81]. **MP** [BG97]. **MPCR** [Bac97]. **MR** [Min04]. **Multi** [KSS15, Sch08a, DMH15, MX09]. **multi-cores** [MX09]. **multi-indices** [DMH15]. **Multi-parameter** [KSS15]. **Multi-summation** [Sch08a]. **multicore** [CMX10, Via13]. **multidimensional** [Bos84]. **multinomials** [Sto09]. **Multiple** [Asl96, GRT10, OVB15, Ter10, Ter13]. **Multiple-Valued** [Asl96]. **multiples** [BCLS11]. **Multiplication** [BD14, CMPS10, CM02, DIS10, Fat03a, Gen71, HHM10, Kli78, MX09, MJ13, MP10]. **multiplicative** [Rag15]. **multiplicities** [Zen04]. **Multiprocessors** [Web90]. **multivalued** [JN04]. **Multivariable** [MMNR15]. **Multivariate** [KS92, SS98, Sto08, BSBC15, CK04, CsL08, CsL09, DD99, HM13, Ina05, Iwa05, Kal82b, Lev15b, MT15, Pet08, Rai11, SI08, WR73, Wan75, Wan76a, Wat08, YDH⁺15]. **MuMath** [AF84]. **Mumford** [BGM99]. **MuPAD** [HKM⁺97, Sor97, Thi08]. **muSIMP** [Sho82]. **muSIMP/muMATH** [Sho82]. **muSIMP/muMATH-80** [Sho82]. **My** [Fat84]. **MZVs** [CDM15].
- N.** [RRRA03]. **NAClab** [ZL13]. **NAG** [BKR⁺91]. **name** [Ste06]. **NaNs** [Fat99]. **NAOMI** [Bra98]. **national** [Abd84, Las84, Wan78d]. **Nature** [Ada96]. **Nauka** [Gak79]. **near** [Mig77]. **Nearest** [Ste99, Gra05, RC05]. **nearring** [AY16]. **Need** [Sto07]. **needn't** [CDJW00]. **negative** [DMH15]. **nested** [Raa15, Sht77a]. **NETFORM** [Smi74, SvH81]. **Network** [Man15a, DSJL08]. **networks** [Bin87b, EV05, Wan91]. **neural** [EV05, Wan91]. **newsletter** [Loo77d]. **Newton** [Jal99, LS16, Pér99, SN97, SS13, Tri84b]. **Newton-like** [SS13]. **Nielsen** [Mac89]. **Nielson** [Dal01]. **Nikos** [Ano14a]. **NIL** [Pur80]. **nilpotency** [dCS99]. **Nishidate** [Ada96]. **No** [Lau77, Ghe10, RS75]. **Noda** [SK16]. **Noether** [Jen15]. **Nominating** [Wat98a]. **nominations** [Ano13e]. **Non** [Hea72b, Lev10, Sat97, BS15, Bal84, CM15, CMPS10, CPS11, Fat72b, Fri74, Gae99, GR08, Hei15, Jef10, JdM12, KKM15, Lab87, Moe99, Raa11, Rod84, Sht77a, Stu10, WSW13]. **non-abelian** [WSW13]. **non-algebraic** [KKM15]. **non-associative** [BS15]. **Non-commutative** [Lev10, Hei15, Rod84, Stu10]. **non-commuting** [Lab87]. **non-hyperelliptic** [GR08]. **non-invertible** [Jef10]. **non-linear** [JdM12]. **non-Liouvillean** [Raa11]. **Non-Modular** [Hea72b]. **non-numeric** [CPS11].

Non-numerical [Sat97, Bal84, Fri74].
non-rational [Fat72b]. **non-standard** [CM15]. **non-zeros** [Moe99].
Nonassociative [CP88]. **noncommutative** [LS03, Lev15a]. **nondimensional** [Hir78].
Nonexistence [Ghe14, Li92]. **Nonlinear** [Ber98b, Oku97, Qui97, Nat92, Rag15, Tsa98].
nonnumerical [FB70]. **Normal** [tW99, DI91, ES11, LM12, Mad15a, Mid11].
normalization [Sto09]. **North** [Bra98].
Note [Abr00, GK84, Nor80, UW95, Akr78, Akr87, CE77, CP78, Fat98, Gra05, Joh75, MM89, MG89, NP88, Sch88, Sti83, Tob70].
notes [Fit75]. **notion** [BSBC15]. **novel** [Cha81]. **novelties** [Bah75b]. **November** [Ano91a, Lin98a, Lin98b]. **NSF** [KO13].
NTOW [BS15]. **NUCLEOL** [NFI69].
nucleotide [MSP05]. **Nullspace** [ES10b].
Nullstellensätze [KPS99]. **Number** [Abr00, MPW97, Mon93b, Ano10g, Ano10f, CJ96, FCW13, Gle86, KS97, KV04, Mat10, Mur09, SS12a, Ste81, Tri84a, Wan75, Zim84b, Zim84a]. **Numbers** [Muri14, SS98, Sto07, Har00, Hir78, Hol04, Nor79, Ren82, WGD82, Wee74, Zho82, Zim84a]. **Numeric** [Ano08a, BKR⁺91, LMF12, Rei02, SV93, SW97, CPS11, CsL09, Hod11, RSV02, SVZ06, vH84, vdHLM⁺11].
Numeric-symbolic [LMF12, RSV02].
Numerical [Ano99a, Ano99i, Ano00c, Ano00d, Bal84, BK14, Din09, EDS00, Ged99, MZ97, Mon93b, DGS16, DGK04, Fri74, Ili08, KS03, Ley10, MM89, Sat97, ZL13].
Numerically [Bat13, Dec14].
numericalsgps [DGS16]. **Numerics** [SFGZ14]. **Nyström** [Cam73].

O [Gak79]. **Objects** [MP14, Bet13, Nab07, Nie84]. **oblivious** [Sal12, YS10]. **obtain** [SS09]. **octahedra** [Cou15]. **October** [Ano99j, Ano03, HI93, Vol98]. **octonions** [BS15]. **odd** [Maz85]. **Odds** [BY02]. **ODE** [CTKR99, Cor93, Ged99, HC97, Sch94, Wil84]. **ODE/DAE** [HC97]. **ODEs** [Ngô11, WSW13, DGK04, FG03]. **off** [Dav82a]. **Offsets** [SSS05]. **OGB** [McG04]. **OMDoc** [Koh00]. **OMEGA** [Xam99]. **One** [Sun73, BM15, BvzGG⁺01, Coo97, Bra98]. **one-algorithm** [Sun73]. **one-time** [BM15]. **Online** [Bra98, McG04, SY14, SCWL08]. **only** [AsW08, Alm11, AP08, AM08, Bar10a, Ben08b, BM08, Bul10, Bur08, CvHL10a, CX08, DSJL08, Doe08, Ebe08, Edo08, Elk08, FvH10, Fon08, GR08, GZ08, GRT10, GMGE08, HL08, Ibá08, Ili08, Iwa08, Jai08, Jon08, JM08, Kel08, LW08, LM08, Lew08, Ley10, LLG08, Man10, Mat10, MGR⁺08, MS08, MJF⁺10, Nov08, Pet08, Pri08, Pud08, QH08, Rad10, Ril08, RG08, Sau10, Sch08a, Sed08, SCWL08, Tha08, Thi08, Tsi08, VJ08, WL08, Wat08, Wol08b, Yas08, YS10, YK08, ZT08, Zel08, Zho08, vH10]. **Ontario** [Ano99a, Ano99i, Ano00a, Ano00b, Ano00c, Ano00d, Mou01, Rei02, Cha86, Wat98b].
Open [Cor99a, Dal02, DMP⁺02, Joy08, Joy09b, JČMG11a, Gaw79, Joy09a, Lic11, Mio82, Pag07]. **OpenAxiom** [LD11].
OpenMath [Bra98, ADS96, Alv00, Car00, Dav00b, Dav00a, Dew00a, Dew00b, Koh00, PDP00, SK00, Tri00]. **operations** [DMSP10, MBS15]. **operator** [Rag15].
Operators [AB14, Ber06, BCLS11, BRRT08, CH85, GHL15, GSGZ15, KRR10, SW06, She07, Tsa98]. **opportunities** [KO13]. **optics** [KSS15]. **Optimal** [Gen71, Pop00, SV99]. **Optimisation** [PH81]. **Optimization** [Bin87b, DIS10, HHS12, HP67, TJ03].
Optimizer [SvH81]. **optimizing** [CK04].
Optimum [OVB15]. **Option** [Kal82a].
Orbiter [Bet13]. **orchestration** [The10b].
Order [Ree91, Ree92, vHI14, Arr15, Bar15, Ben08a, Cla69, DS15, DSS15, FG03, GL13, MGR⁺08, MBKP81, Ngô11, Per15, Sch16, Sha05, SW06, Zho08, Ree92]. **ordered** [AV99]. **Ordering** [HEW⁺14, FGHR12, Sit89]. **Orderings**

[Sch91b, Kre88]. **orders** [Wei87]. **Ordinary** [Ber98b, PS98, BCLS11, Cha81, KRR12]. **ore** [CL09, Jar12, Glo98b, Jar15, LM12, Mid11]. **Oregon** [ISS89, Gon89]. **OREM** [BRRT08]. **oriented** [LW99, Lew00]. **Origami** [Ril08]. **orphan** [vH74]. **orthogonal** [Gra91, KSZ11, Pre15a]. **ORTOCARTAN** [Kra83]. **OSCAS** [Joy06]. **oscillations** [Raj80]. **other** [SS07]. **Outgoing** [Cor99b]. **outline** [Jen75]. **output** [Fat87, Ste10]. **outputs** [Sht77b]. **Over-Determined** [Cal01]. **Overcoming** [CM02]. **overdetermined** [Wol05]. **overlay** [Gre72]. **Overview** [Dew00a, Sar15]. **Oxford** [ACM94, ISS94].

P [Ano14a, tW99]. **P2P** [GMGE08]. **PA** [Sen03]. **Package** [FL91, Izu14, Sch83, vH82, BPS12, Cap86a, Cap86b, DGS16, DGK04, FIS16, GJM09, HSW89, JM98, Joy05b, Koe95, KRR10, LW95, Min04, Nab07, Nag07, Nor75b, Pos13, San91, SW85, Smi84a, Sto80, Tut73, Wol05, Zen04]. **packages** [NW83]. **PACLIB** [HS92]. **pads** [BM15]. **paging** [SS68]. **pair/completion** [Win84]. **pairs** [BD15, MCP15]. **Pan** [EG96]. **panel** [Col69]. **Pankratiev** [Ano08b]. **paper** [Abr09, Akr80a, Akr87, Mac89]. **Papers** [Ano82a, Ano84, Ano99c, Ano99e, Ano99d, Ano99b, Ano99h, Ano99g, Ano99k, Ano01b, Cha96a, Jef98b, Abd84, Abr03, Ano10d, HKS99]. **Parallel** [DK98, Hon94, Hon96c, Pon88a, SHS96, Sal11, Sat00, pro12, Coo04, Dav82b, HM13, Mat10, MJ13, The10b, Sed13, Wis84, Xie07, HI93, Vol98]. **Parallelism** [HKM⁺97, Pon88b]. **parallelization** [LD11]. **Parameter** [GS97, SN97, Gle86, Glo98b, KSS15]. **parameterization** [Sch99]. **Parameterized** [Mai15, Arr15, Sar15]. **parameters** [IMSS08, Sar15]. **Parametric** [BK14, CMT14, GS97, SIK14, BK04, Bul10, CM83, FGVC15, GJM09, Mon11, Nab07, Ore99, Man10]. **ParametricSystemTools** [CML⁺08]. **parametrizations** [D'A15]. **parametrize** [RSS15]. **Parametrized** [Sán15]. **paraxial** [KSS15]. **parser** [Fri70]. **Parsing** [FC99]. **Part** [BU93a, BU93b, BH15, Jua15, Lab15c, LW94a, LW94b]. **partial** [Bar89, Gol06, SW06, She07, Sto08, Tsa98, vdR73]. **Participation** [Ano01c, Ano03, Ano99a, Ano99i]. **Partition** [BZ12, AP08, Lac92]. **Partitioning** [Fat15]. **partitions** [BM08, Cam76]. **Pascal** [di 82]. **PASCO** [Hon94, Hon96b, Hon96c]. **Passau** [Vol97c]. **Past** [Wat97b]. **patching** [Mai15]. **paths** [MCJ15]. **Pattern** [McI85, Pud08]. **pattern-avoiding** [Pud08]. **Pavel** [DP15]. **PDEs** [Ger98, Tsa98]. **Pech** [DP15]. **Pedersen** [Mac89]. **360** [Jen79a, Kal82a]. **370** [Whi78]. **Asir** [IS09, SS07]. **completion** [Win84]. **DAE** [HC97]. **I** [Ber70, EB70]. **ISSAC** [Lak98]. **Japan** [HI93]. **Linz** [Hon94]. **LISP** [Jen70]. **minimum** [Xue15]. **muMATH-80** [Sho82]. **SyNRAC** [FIS16]. **pendulum** [Tot15]. **pentagon** [Mor10]. **perceived** [Ste81]. **perfect** [Ara15, RG08]. **performance** [CMPS10, Li09, Mac89, PM07]. **permutation** [But85, CM02, Joy05a]. **permutations** [JR91]. **Personalizable** [Ham14]. **perspective** [SSS05]. **perturbation** [Coh74, GL10, SS10, SS11, SS12a]. **perturbations** [Mae87a]. **perturbed** [Mad15b]. **PetaFLOPS** [Ree97]. **Petersburg** [Ano99f]. **Petkovsek** [CHL14]. **Pfaffian** [Mad15a]. **Pfister** [Hei13]. **PGB** [Nab07]. **Ph.D.** [CC72, Win84]. **PHCpack** [Ver10]. **Philadelphia** [Sen03]. **Philippe** [SSS⁺11]. **Phrasebooks** [CCR00]. **physics** [Fel75a, FB70, SPA⁺99]. **Piano** [Dav86]. **Picard** [Hei15, Kel15]. **PICOMATH** [Sto80]. **PICOMATH-80** [Sto80]. **Piecewise** [BH15]. **Pioneer** [CGG⁺04]. **Pitsianis** [Ano14a]. **PL** [Bah71, Ber70, EB70, LaP72, Lud69]. **PL/I**

[Bah71, LaP72, Lud69]. **PL/I** [Ber70, EB70]. **Plaintext** [BM15]. **planar** [JSS03, Kou16]. **Plane** [HV98, AHCDT15, HMS10, Hod11, Tra15]. **planning** [Cas08]. **platform** [vdHGG⁺13]. **Platforms** [DN90, GZ05b]. **PLDE** [Par15]. **PLMMS** [Ano10d]. **PLURAL** [LS03]. **Poincaré** [BTL99]. **Point** [SI00, Ben08b, KS97, MBS15, Poi15, SS98, SK10]. **Points** [HV98, Edo08, Elk08, EGK09, Fas06, FT12, Hol04, JS06, Kem81, Sho15, Zim97]. **Poisson** [SASG99]. **Polar** [Bar99]. **poles** [Nor82]. **Polman** [Tut73]. **POLY** [MP12, MP14]. **Polyhedra** [Ost99, DDK⁺11, Jal99]. **polyhedral** [BZ12]. **polylogarithms** [DMH15]. **polymake** [JP11]. **Polynomial** [Abr98, AJ03, BNN14, Buc91, CCM⁺14, Dec14, EG96, FG03, Hea72b, Her98, KW97, Kal82b, Ley16, NTW97, Pan05, RT88, SS97, Sch02, Ste96, Ste99, Uga12, Ver10, VY15, Wan98, vdHL14, Akr78, Bar10a, Bat13, BCG09, Bla14, BvzGG⁺01, Buc76a, BRRT08, Bul10, CP88, CDL⁺11, CCM⁺16, CLZ08, CL09, CMPS10, CK03, CsL08, Dem12, DPFD15, Fat03a, Gen99, Gen71, GJM09, Gle86, Glo98b, Gra05, GPS08, HJS13, Hei70, HL10, Jar12, Joh74, Joh75, Kli74, Kli78, KB78, Kot01, KLV03, Lab87, LS03, LW99, Lew00, Lew04, Ley10, LLG08, LMRS08, Li09, LW94a, LW94b, Liu15, Man10, MMNR15, MGR⁺08, MX09, MP11, MJ13, MY74, MP10, MP12, Nag08, NY03, PM07, PW03, RRRA03, RC05, Rim84, RG08, Row81, ST02, Sas04, SS10, SS11, SS12a]. **polynomial** [SV99, Smi84b, Spe08, Ste08, Tec11, Tut73, WL08, Wol08a, Xie07, Yun73, Zen04, Zen08, vzG92, Bul10]. **polynomial-oriented** [LW99, Lew00]. **Polynomials** [Bak93, FL91, HNT14, Kno97, Li92, SW97, Tre90, AM08, AM10b, BK12, BKM07, Buc76b, BRRT08, CM15, CEGW08, CL15, CM83, DDK⁺11, EGK09, GR08, Glo98b, Gre15, GR16, HL10, HM13, Ina05, Jar12, Jar15, Kou16, LM12, Len81, Len84, Lev15a, Lev15b, LYG12, Mai99, Man77, Man15a, Mid11, Mig80a, Mig80b, Mig87, Moe99, MG89, Nag04, NS09, Nov08, NvH08, Pre15a, Rum77, SO09, SH09, Ter10, Ter13, Tro82, Ver75, WR73, Wan75, Wan76a, Wat08, Whe87, WCF12, Zim76, vH10]. **polytopes** [AV99, JP11]. **population** [Bur08, Ebe08]. **PORT** [Kli74]. **PORT-ALG** [Kli74]. **portable** [Kli74]. **Portland** [Gon89, ISS89]. **Position** [Ber98a, Zas84]. **Positions** [Wat98b]. **positive** [EGK09]. **positivity** [PS15]. **possibilities** [GGdR⁺15]. **post** [YDH⁺15]. **post-quantum** [YDH⁺15]. **Poster** [Enc97b, LR98, Tsa98, Zim99, Zim00, Ajw05, Cap03, DK98, GKL07, Hit07, KV04, Sit02b, Wan06a, Wan06b]. **Posters** [Ano00b, Enc97a, Zim98a, Zim98b, Ano10a]. **Potential** [Pop98]. **Power** [HM77, Koe93, KS92, AKM16, Ben08a, Gen71, Gen74, Gla91, Mor87, Nor75b, Pei87b, Zwi84]. **power-commutator** [Gla91]. **power-inverse** [Ben08a]. **Power-series** [KS92]. **powers** [Gae99, RG08, Sto13b]. **Practical** [EB70, Sch71]. **Practice** [SST⁺97, vdHL14, FS97]. **pre** [Hie75]. **pre-editor** [Hie75]. **precision** [FT12, Pur80, Web90]. **preconditioning** [MG89]. **predicate** [Kan76]. **prediction** [EK12]. **Preface** [Gie08a]. **prefix** [KH81]. **Preliminary** [Ano98, Col74, RC76]. **present** [Bal84]. **Presentation** [Str74]. **presentations** [Gla91, JR91]. **Presented** [HKS99]. **preserving** [MMSY15, SS12a]. **Press** [Buc03, Dav03, FBOS88]. **Pretty** [Hv83, vHvH87]. **pretty-print** [vHvH87]. **previous** [Mio88]. **primality** [Nor79]. **primary** [MMR99]. **Prime** [Wan98, NY03]. **primitive** [RC76]. **Principal** [Con90, KN97, Gol91, HS74, MMNR15]. **principle** [DSM⁺05]. **principles** [Kot01]. **print** [vHvH87]. **Printing** [Hv83]. **Prize** [JCMG11b, Kal13, Kal15, Ano13e].

Probabilistic [BCG09, HJS13]. **Problem** [BH72a, Bar73, Cam72, Cam73, CHJ⁺97, Cor00, Dav86, Fit74a, Har77, Hea72c, HC97, JG74, Kah75, Laz80, Loo75, McC73, Nor78, PST97, Rim84, SN97, WR79, van80, Bah75a, BHMM13, Ber70, BCCR80, CHH⁺99, CMR74, CJ88, DX07, Fat73b, FMW74, Fat76, Fit74c, GCG83, GJ74, GJY75a, Hag77, HJ74, Hal75, Lau77, Loo77e, Mio82, MC95, Mos70a, Mur00, Nor75a, Par15, RS75, San71, Sch99, Sta74, Sun73, Teo15, Tut73, Yas08, Zip75]. **problem-solving** [Fat73b]. **Problems** [Buc91, FM97a, FM97b, Fit73, PS98, Sak97, SST⁺97, Ste99, van80, ACF⁺15, ÁS99, CC83, Cor99a, FB70, Gon88, Ili08, Jen79b, Kor77, KRR10, KRR12, LMTV05, Lew04, Mae87a, Mio74, Pea84, Rad10, RSSU79, SASG99, Shi99, Tec11, TJ03, WL08, Wei00, Xue15, Zho07, Tec98, Sto98]. **procedure** [PS15]. **Procedures** [Smi84b]. **Proceedings** [ACM94, Ano91a, Gia88, Glo98a, Kau05, Lak96, Lev95, Mor02, ISS89, ISS94, Sen03, Bro93, Doo99, Gut04, Jen76, Kic97, Mou01, Tra00, Wan79b, Wan81, WN90, Wat91, Cha86, Gon89, Jen74a, Mor89, Tra06, Wan92, CL96, Gia89, HI93]. **Processing** [EJP⁺01, Fat03b, LaP72, Nie70]. **processor** [NFIS69, SS68]. **processors** [Pon88a, Wis84, SASG99]. **Producing** [van80, Sht77b]. **product** [AS14, Arn10]. **Products** [AB14, MP14, CP12, Fri74, JM98, Sto13b]. **Professor** [Ano99a, Ano99i, Ida05, SK16]. **Program** [BG90, Har79, RL98, RS91, WR79, AZ91, Bah71, Bro03, CC72, Kra83, LW16, Lab87, Sed08, Wan89, Zei91]. **programmers** [Sch75]. **Programming** [Gle92, HS92, AW80, AD10, BK04, Cam75, Can69, CW72, Fat81, HKN10, Kan76, Kri84, Lin07, Raj80, Ric09, Sal93, Zel08, pro12]. **Programs** [PH81, WB95, Fat98, Fat03a, Gre72, HJ74, KS13, KR85b, Loo72a, Lud69, PH83]. **progress** [PST97]. **project** [Buc84]. **projecting** [Ull06]. **projection** [UM12]. **projects** [Far15, Mae87b]. **Proof** [Kal93a, AD10, BB80, Gor98]. **proofs** [Fat85b, Tha08, ZT08]. **Properties** [Pop97, Buc76a, Grö09]. **property** [Win84]. **Proposal** [BU93a, BU93b, HSW89, KS97, Soi97, ÜHK82, Sto79, Sto84]. **proposed** [Akr80a, Akr80b, Neu80, San71]. **protocol** [ADS96, The10a]. **Prove** [Xue15]. **proves** [AZ91]. **Providing** [O'B91]. **Proving** [Fèv98, MA08, Pec07, Pei87a, Win84, Zei91, DP15]. **Provisional** [FF82]. **Pseudo** [SHS96, MG15]. **Pseudo-Parallel** [SHS96]. **pseudo-random** [MG15]. **pseudovarieties** [CKW03]. **PSLQ** [FCW13]. **Public** [Küc87, BS15, Dur15, Iwa08]. **public-key** [Iwa08]. **Publication** [Bor98]. **Publishers** [Qui97]. **Puiseux** [BG90, Pér99]. **Puisieux** [Koe93]. **punctured** [MG15]. **pure** [GR99, Ver74]. **purpose** [vH75]. **Puzzles** [FM97a, FM97b]. **PVM** [LW95].

QD [Sch83]. **QEPCAD** [Arn10, Bro03, Bro04]. **QRGCD** [NM13]. **Quadratic** [Abb14, SV10, YDH⁺15]. **quadrature** [Fee99]. **quadtrees** [Wis84]. **qualitative** [Lee10]. **Quantifier** [Col74, Arn10, FIS16, HW75, ZKK11]. **quantization** [Por09]. **Quantum** [Dal01, Ele15, DGG15, Lau15, Roa08, YDH⁺15, KS14]. **quasi** [CM15, CDM15]. **quasi-polynomials** [CM15]. **quasi-shuffle** [CDM15]. **quasilinear** [Sch16]. **quaternionic** [Liu15]. **queries** [IP11]. **query** [DX07]. **quest** [vdHLM⁺11]. **Question** [Abr98, Her98]. **questions** [Bea15]. **Quite** [CJ92]. **Quotient** [KS92, CsL08, Fas06, MMNR15]. **quotient-difference** [CsL08].

R [LeS70, tW99, De 99]. **Radical** [BH97, Web96, Sto79, Sto84]. **Radicals** [Jar15, MMR99, Wan98, Sht77a]. **radioactive** [KA99]. **Radius** [Mor10].

Ramanujan [Alm11, Rad10].
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Rational [BCCL10, FL91, Ghe14, HK05, KU14, Lab15b, Mur14, Ngô11, Yan91, AHCDT15, AHM15, AKM16, Bro74, CDS99, CsL09, DJ96, Elk08, EMT08, ES10b, Fat72b, Ghe10, Hal74, KN00, Mio82, MCJ15, Muro9, Ren82, SS92, Smi84b, US06, WGD82, Zho82].
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- System** [BK14, Dav00b, Fèv98, GK85, GPS97, KO83, Mon93b, Pop97, SVV95, SJ05, Ste96, TO97, Yan91, dR90, AsW08, ÁS99, Arn10, Bah69, BS74, BGJ11, Bro04, Bul10, CL87, CGG83, Cla69, Eng75, Far15, GL10, GK84, GCG83, GK88, GPS08, Grö10, HK08, HLS84, JT91, Jen70, Jen77, KS81, Kli74, Kot01, KR85b, LaP72, LW08, LPR99, LS03, Li09, Lou84, Man10, MGR⁺08, Meu03, Moe78, Mor87, NP88, Pag07, Rim84, Roa08, Rod84, SS11, SS12a, SH09, SW06, Sho82, Str74, Tro97, Wil84, Xue15, Zho15, Zhu15, dCW09, di 82, KP97]. **Systems**
- [Ano84, BNN14, Buc91, Cal01, Dec14, Ger98,

GLS97, GS97, Laz01, SIK14, Sch02, dQ77b, dR90, BK04, Ban08, Bar10a, BPS12, Bar15, Bat13, Bos84, BJS06, Bou15, CL96, CDL⁺¹¹, CK03, CJ88, DM15, Dav12, EGK09, Fat81, Fat87, FP89, Fat96, Fat15, FIS16, Gae99, GJM09, GSGZ15, HI93, IT12, Joy08, Joy09b, JCMG11a, KS03, Kou09, Kre88, KKM15, Lab15a, Laz80, LW99, Lew00, Ley10, Llo84, LMF12, Mac89, Mad15b, Mad15a, MK96, Man10, MP11, Min15, Nat92, Pon88a, Por09, RSV02, The10b, Sau80, SV10, SS13, SS10, Ste10, Sun73, Sun74, SS07, Tif15, Tri11, Vil98, Wol05, Wol08a, WSW13, Xia07, Xie07, Yun73, dQ77a, dT84]. **syzygies** [Ter13, Wal89].

T [CHJ14]. **Table** [JK02, Pig90, Piq90]. **tableaux** [CP88]. **Tables** [Gak79, Nor80, DI91]. **taking** [Fit74b]. **Talks** [Ano00a, Ano00c, Ano00d, HKS99, Ano10a]. **tangent** [JRH15]. **tangents** [Dav82b]. **tarow** [SK16]. **taxonomy** [GJY78, Neu80]. **Taylor** [Kal93a, Wil84, van80, vdR73]. **Teaching** [tW99, Buc84, CR84, Wan76b]. **Technical** [Vol96, Vol97b, Vol97c, Vol97a, Mos70b, Whi78]. **technique** [SS68]. **Techniques** [PH81, CL11, DIS10, Lew08, Ren15, Ric09, Zho07]. **Technologies** [Pad02]. **Technology** [Gle92, Jen74a, tW99, GGdR⁺¹⁵, Sit06]. **Tekhnika** [Gak79]. **Telescopers** [Le01]. **telescopes** [BCCL10]. **Telescoping** [CHL14, BCCL10]. **tensor** [JM98]. **term** [JRH15, Kre88, Küc82, Sit89, Sti83]. **term-ordering** [Sit89]. **termination** [EGP11, HZ15]. **Terms** [CHL14, Le01, CP12, CPS11, Dav84, Erö10, Heb15, Kas80, LMTV05, Raa11, vTG03]. **Testers** [Bsh12]. **Testing** [LWZ07, Nor79, Par15]. **Tests** [Mig80b, Wol08b, dQ78]. **TEX-REDUCE** [ASW89]. **Texas** [Sch02]. **TEXmacs** [vdHGG⁺¹³, vdH04]. **textbook** [CWZ12].

th [BC02, Fit74b, Vol95, BRRT08, Zwi84].

Thailand [Ano99b]. **Their** [Ano84, DS15, Kli74, Ks15, Mio82, Sán15, Sha15a].

Thematic [LW16]. **Theorem**

[Kal93a, Sch83, BB80, Ben08b, Bin87a, Gor98, Jer15, MA08, Pei87a, RC76, Sas04, Spe08, Wib15, Win84]. **theorema** [Tec11].

Theorems [Fèv98, LS16]. **Theoretical** [Ano01b, Buc91, Buc76b, FB70, LN76, Sch71].

Theories [Li15]. **Theory**

[Abr98, Alm11, Fel77, Gak79, GPS97, Grö98, Her98, MPW97, Ost99, Pra90, TO97, Bos84, CR84, Göb93, Grö10, Hei15, HMS10, Jen15, JM08, Kas80, KV04, Man77, Pos13, RRRA03, Sán15, SV10, Sch91a, Spe08, Tha08, Tri84a, Ull06, ZT08, Zim84b, Zim84a].

thesis [Win84]. **Third** [Ano99j, Ano91a].

Thirteenth [Bai02]. **Thomas** [BGLH⁺¹⁰].

Thompson [BHMM13]. **Three**

[HEW⁺¹⁴, Zim97, CJ88, Loo72b, SW06].

Thursday [DMP⁺⁰²]. **TI** [Sto98]. **TI-92**

[Sto98]. **Time**

[Sak97, BM15, Bla14, DMSP10, Kal82a].

times [PH83]. **Timisoara** [Ano08a]. **Titles**

[Wan80c, Wan80b]. **Tlisp** [Wil92]. **TOCL**

[Ano99k]. **today** [vh74]. **Tokyo** [WN90].

tool [AY16, CDM15, Pea84, Xia07]. **toolbox**

[ES10a, YA07, Zen08, ZL13]. **toolkit**

[HL15, Wan91]. **Tools** [CHJ⁺⁹⁷, Gie08b,

ABK⁺¹⁶, Ban08, Fat99, Sch91a, Smi84a].

TOP [Coo04]. **TOP-C** [Coo04]. **Topics**

[Fel77, Qui97, DP15, Mio84, Pec07].

topological [CGL05]. **topology**

[Bar99, FGVC15, Her11, Ser99]. **tori**

[Rue05]. **toric** [BGM10, Gao15, Hub00].

torsion [DPFD15]. **traces** [IKRT89].

tracking [Fat99]. **trade** [Dav82a]. **trade-off**

[Dav82a]. **Transactions** [Ano99k].

transalpyne [DS10a, DS10b].

transcendence [Ste00]. **Transcendental**

[Gak79, GR99]. **Transform**

[Nor80, Bar73, Cla89, GJ74, AS14, KS14].

transformation [Ste08]. **Transformations**

[LMTV05, AJ03, She10]. **transforms**

- [IVV99]. **transitive** [Roy91]. **Translation** [WR79]. **Translator** [Alv00, Fat90, Jen70]. **transposition** [DS10a, DS10b]. **Transputers** [Wil92]. **Treasurer** [Ebe06]. **treating** [FB70]. **treatment** [Loo72b]. **Tree** [CHJ14]. **trends** [Ano10d]. **triangular** [DMSP10, Li09]. **Tricoloring** [MS08]. **TRIGMAN** [Jef72]. **trigonometric** [CsL10]. **TRIP** [GL10]. **tropical** [Ksi15, Ren15]. **true** [Zei12]. **truncated** [Gen74, AS14]. **Tschirnhaus** [AJ03]. **Tsun** [sG06]. **Tuesday** [DMP⁺02]. **Tuning** [BS74]. **Turing** [CJ97]. **twice** [BM15]. **Twisted** [HNT14]. **Two** [Fon08, GS97, SN97, BK12, BGM99, LMTV05]. **Two-Parameter** [GS97, SN97]. **Type** [Dav00b, ASP15, BTL99, GSGZ15, KN98, MY74, Mur09, Zim03, vHK12, vHI14, AW80, Raj80]. **typed** [Wil84].
- ubiquity** [Jal99]. **UC** [Sch02]. **UIUC** [Gra87]. **Ukraine** [Bro93]. **Umble** [VJ08]. **uncouth** [CDJW00]. **Undecidability** [Par15]. **Under-** [Cal01]. **underflowing** [CPS11]. **undergraduate** [Far15, HLS84, Pea84]. **unification** [KN87, RSSU79]. **Unified** [Ben08a, dO99]. **union** [Ore99]. **uniqueness** [Par15]. **Unit** [Fon08, Sto09, Gle86, Mig77]. **United** [ACM94, Ano99e, Ano99g, ISS94]. **Unity** [Web96]. **univariate** [CMX10, CMPS10, LW94a, LW94b, Mig80a, MY74, Nov08, NvH08, Ter10, Ter13, vH10]. **Universität** [Ano91a]. **Université** [Mor02]. **University** [Ano98, Ano99c, Ano99e, Ano99d, Ano99g, Ano99j, Ano00a, Ano00b, Ano00c, Ano00d, Ano08b, Buc03, Dav03, Doo99, Glo98a, Gut04, Jef98b, Mou01, Rei02, Sen03, Sit14, Tra00, tW99, Ber98a, Buc84, Jen75, Sch02, Vol97c, Wat98b]. **unknown** [Gol85]. **Unmixed** [Wan98]. **unnecessary** [WB83]. **unspecified** [Cam88]. **unusual** [Rim84]. **Unwinding** [MCJ15, CJ96]. **upcoming** [Ano13c, Ano13d]. **US/Japan** [HI93]. **USA** [HI93, KÜc97, Lin98a, Lin98b, Sen03, Vol98]. **Use** [Bar91, Fel77, FB70, Nor80, dQ77b, CH85, Dav82b, HLS84, Lou84, Mio74, Sht77b, dQ77a]. **used** [BM15, Kre88, LaP72]. **Useful** [Sto07]. **user** [Loo77a, Nei71, Sto13a, Sun73]. **Users** [Ano91a, Cal84]. **Using** [Bar89, BD14, Buc91, CM76, FSH02, GGdR⁺15, Göb93, HM99, Hol92, KN97, LS03, Lew04, MT15, Mon93b, RZ11, Xam99, Ada96, AMORH15, BG97, Bro03, EB70, EK12, Erö10, FvH10, Far15, FMW74, Fèv98, Fit74c, HMS10, JT91, JM98, Joy09a, KI11, KYA08, KA99, MK96, MBS15, MC95, MA08, Mur10, Mur14, Pri08, RSV02, Ren15, RS75, SASG99, Ste10, SLW15, SS07, Ter13, Wri00, Xue15, vdR73]. **Utah** [Wan81, Nam86]. **utility** [Lud69]. **Utilizing** [Bah75b]. **Uzbekistan** [Ano99j].
- V** [Buc03, Cor96a]. **Validated** [KS03]. **valuation** [Ren15]. **Value** [KN97, PS98, Sak97, Cap86a, Dav03, Ili08, Mae87a, Sto76]. **Valued** [Asl96]. **Values** [BB96]. **Vancouver** [Doo99, Ano98, Jef98b, Zim98a, Zim98b]. **Variable** [HEW⁺14, UM12, MGR⁺08]. **variables** [GHL15, Lab87, Liu15, Rod84]. **variant** [Duj08]. **variational** [Hel10, Kog15]. **Varieties** [DN90, BMT99, BGM99, Ore99, Pau15, Ren15]. **variety** [Fre15, Gao15, Rec99]. **VarInt** [Hel10]. **Various** [Li92]. **VAX** [FF82]. **Vaxima** [NW83]. **vector** [Dem12, HHM10, Lou84, Por09]. **vector-quantization** [Por09]. **vectors** [Poh81]. **Veltman** [Gaw79]. **verification** [KS13]. **Verlag** [GVR04]. **Version** [KP97]. **versus** [Hue84]. **vertex** [Roy91]. **vertex-transitive** [Roy91]. **vertices** [Roy91]. **Vessiot** [Hei15]. **VI** [KV04]. **via** [BK12, BZ12, Bro04, CsL08, Elk08, Fat03b, Ged99, Kan76, Man15a, PR15, Too15, Uga12, Wri00, Zha13]. **view**

- [Fat84, Mid11, Poi15]. **vision** [ÁS99].
VISIONARY [Zei12]. **Visual** [KU14].
Visualization [IOS06, MSP05]. **Vladimir** [BBS⁺02]. **Volos** [Kot02]. **vs** [DP15, Pec07].
- W** [Dec14, Zei12]. **W.** [Hei13]. **Walk** [SFH00, Fit74a, LM12]. **wall** [CM02].
Walsh [IVV99]. **Wampler** [Dec14]. **want** [Dav82c]. **was** [Zei12]. **Waterloo** [Cha86].
Ways [Bar91, Sto11]. **Web** [Pad02, Sch07, AsW08, Bor98, LW08, Sch08b, Wri00].
Web-based [AsW08, LW08]. **wedges** [Pet08]. **Wee** [Ano10e]. **Weierstrass** [HV98, Pre15b, Sho15]. **Weighing** [BY02].
weight [JP15]. **weighted** [Joy15]. **weights** [Sho15]. **Weil** [Rec99]. **Well** [CJ92]. **Wen** [sG06]. **Wen-Tsun** [sG06]. **Werner** [Joh12e]. **Western** [Ano00a, Ano00b, Ano00c, Ano00d, Mou01, Rei02, Wat98b].
Weyl [Lau15, iL15, Mid13, Tsa00]. **whether** [BGM10]. **which** [ÁS99, Glo98b]. **whom** [Zei12]. **Whose** [Mur14, Mig77, Mur09].
Wiedemann [HJS13, Via13]. **Wielandt** [NO91]. **Wiener** [Duj08]. **Wilf** [Zei12, KZ11]. **Williams** [BY02]. **within** [Hor15, Suz09]. **Witt** [BTL99]. **Word** [BD14, Nor79]. **Word-size** [BD14].
word-sized [Nor79]. **words** [Pud08]. **Work** [Rod84, PST97, Pon88b, Pon88a].
workbench [Arn10]. **works** [Mio81, RRRA03]. **Workshop** [Ano99h, Ano99j, KPR16, Kre01, Ree97, Vol98, Arn87, Emi15, HI93, Hec94, Las84, Ter11, Tho09, BBS⁺02, Cal01, Cha90, Cha91, DMP⁺02].
World [DP15]. **Worst** [Ree91, Ree92].
Write [Lün84]. **Writing** [Dav00a, JRH15, Jen70, Zel08]. **Wu** [sG06].
WWCA [KZ06, KZ11]. **www.orcca.on.ca** [Rei02]. **WZ** [CX08].
- X** [GVR04]. **Xiaobai** [Ano14a]. **XSL** [Car00]. **XXIII** [RRRA03].
- Yale** [Jen75]. **Year** [Ano95a, Mos74]. **Years** [Win97, Win98, BW98b]. **yield** [ÁS99].
York [Jen76, Sit14]. **Yorktown** [Jen76].
Young [CP88].
- Zariski** [AKM16]. **Zassenhaus** [Zim76].
Zeilberger [RVMH11]. **Zero** [FT12, GS95, Ste99, CC08, Dah12, GK85, RC05, SS11].
Zero-dimensional [FT12, GS95, CC08]. **zeroes** [Gut15]. **zeros** [CM83, Gle86, Moe99, Ver75]. **Zeta** [BB96]. **Zigzag** [CMT14]. **zur** [Mon93a]. **Zurich** [Lak96].

References

Abdali:1984:A

- [AB84] S. Kamal Abdali and Bruno Buchberger. Abstracts. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 18(1):2–7, February 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

Abramov:2014:SSP

- Sergei A. Abramov and Moulay A. Barkatou. On solution spaces of products of linear differential or difference operators. *ACM Communications in Computer Algebra*, 48(3/4):155–165, September 2014. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).

Abbott:2015:WNC

- John Abbott and Anna Maria Bigatti. What is new in CoCoALib and CoCoA-5? *ACM Communications in Computer Algebra*, 49(4):113–116, December 2015. CODEN ???? ISSN

- 1932-2232 (print), 1932-2240 (electronic).
- Abbott:2004:CLC**
- [Abb04] John Abbott. CoCoA: a laboratory for computations in commutative algebra. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 38(1):18–19, March 2004. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Abbott:2014:QIR**
- [Abb14] John Abbott. Quadratic interval refinement for real roots. *ACM Communications in Computer Algebra*, 48(1):3–12, March 2014. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Abbott:2007:CCC**
- [ABCR07] John Abbott, Anna Bigatti, Massimo Caboara, and Lorenzo Robbiano. CoCoA: computations in commutative algebra. *ACM Communications in Computer Algebra*, 41(3):111–112, September 2007. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Abdali:1984:ACA**
- [Abd84] S. Kamal Abdali. Abstracts of computer algebra papers from 1984 national meeting of American Chemical Society. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 18(3):26–30, August 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Abbott:1985:RF**
- [ABD85] J. A. Abbott, R. J. Bradford, and J. H. Davenport. A remark on factorisation. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 19(2):31–33, 37, May 1985. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Abanades:2016:DAR**
- [ABK⁺16] Miguel Abánades, Francisco Botana, Zoltán Kovács, Tomás Recio, and Csilla Sólyom-Gecse. Development of automatic reasoning tools in GeoGebra. *ACM Communications in Computer Algebra*, 50(3):85–88, September 2016. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Abramson:1998:HBQ**
- [Abr98] Michael Abramson. Historical background: “The Question of Finitely Many Steps in Polynomial Ideal Theory”. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 32(3):8, September 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Abramov:2000:NND**
- [Abr00] S. A. Abramov. A note on the number of division steps in the

- Euclidean algorithm. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 34(4):1–2, December 2000. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Abramson:2003:HBB**
- [Abr03] Michael Abramson. Historical background for B. Renschuch's papers. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 37(2):33–34, June 2003. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Abramson:2009:HBG**
- [Abr09] Michael P. Abramson. Historical background to Gröbner's paper. *ACM Communications in Computer Algebra*, 43(2):22–23, June 2009. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Albrecht:2015:AAL**
- [ACF⁺15] Martin R. Albrecht, Carlos Cid, Jean-Charles Faugère, Robert Fitzpatrick, and Ludovic Perret. Algebraic algorithms for LWE problems. *ACM Communications in Computer Algebra*, 49(2):62, June 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- ACM:1994:IPI**
- [ACM94] ACM, editor. *ISSAC '94: Proceedings of the 1994 International Symposium on Symbolic and Algebraic Computation: July 20–22, 1994, Oxford, England, United Kingdom*. ACM Press, New York, NY, USA, 1994. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994.
- Abdali:1992:SCC**
- [ACS92] S. Kamal Abdali, Guy W. Cherry, and Neil Soiffer. Spreadsheet computations in computer algebra. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 26(2):10–18, April 1992. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Autexier:2010:RDM**
- [AD10] Serge Autexier and Dominik Dietrich. Recent developments in Mega's proof search programming language. *ACM Communications in Computer Algebra*, 44(2):52–59, June 2010. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Adami:1996:GNM**
- [Ada96] Chris Adami. Gaylord and Nishidate's modelling nature with cellular automata using Mathematica. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 30(3):24–25, September 1996. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

- Abbott:1996:ROP**
- [ADS96] John Abbott, Angel Díaz, and Robert S. Sutor. A report on OpenMath. A protocol for the exchange of mathematical information. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 30(1):21–24, March 1996. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Abi-Ezzi:1983:CSM**
- [AE83] Salim S. Abi-Ezzi. Clarifications to the symbolic mode in REDUCE. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 17(3–4):43–47, August/November 1983. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Aspetsberger:1984:EMA**
- [AF84] K. Aspetsberger and G. Funk. Experiments with MuMath in Austrian high schools. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 18–19 (4–1):4–7, November/February 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Arnold:2013:RSI**
- [AGR13] Andrew Arnold, Mark Giesbrecht, and Dan Roche. Recursive sparse interpolation. *ACM Communications in Computer Algebra*, 47(3–4):104–105, September 2013. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Alcazar:2015:ICC**
- [AHCDT15] Juan G. Alcázar, Carlos Hermoso, Jorge Caravantes, and Gema M. Díaz-Toca. Iterative computation of the convex hull of a rational plane curve. *ACM Communications in Computer Algebra*, 49(2):52, June 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Alcazar:2015:SDR**
- [AHM15] Juan G. Alcázar, Carlos Hermoso, and Georg Muntingh. Symmetry detection of rational space curves. *ACM Communications in Computer Algebra*, 49(2):51, June 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Adamchik:2003:PTT**
- [AJ03] Victor S. Adamchik and David J. Jeffrey. Polynomial transformations of Tschirnhaus, Bring and Jerrard. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 37(3):90–94, September 2003. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Ajwa:2005:ECC**
- [Ajw05] Iyad Ajwa. East Coast Computer Algebra Day 2005: poster abstracts. *SIGSAM Bulletin (ACM Special Interest*

- Group on Symbolic and Algebraic Manipulation),* 39(1):15–25, March 2005. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Alvandi:2016:CLR**
- [AKM16] Parisa Alvandi, Mahsa Kazemi, and Marc Moreno Maza. Computing limits with the regular chains and power series libraries: from rational functions to Zariski closure. *ACM Communications in Computer Algebra*, 50(3):93–96, September 2016. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Akritas:1978:SNN**
- [Akr78] Alkiviadis G. Akritas. A short note on a new method for polynomial real root isolation. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 12(4):12–13, August 1978. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Akritas:1980:CLR**
- [Akr80a] Alkiviadis G. Akritas. A complete list of references for the paper: “A remark on the proposed syllabus for an AMS short course on computer algebra”. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 14(3):32, August 1980. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Akritas:1980:RPS**
- [Akr80b] Alkiviadis G. Akritas. A remark on the proposed syllabus for an AMS short course on computer algebra. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 14(2):24–25, May 1980. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Akritas:1981:BFC**
- [Akr81] Alkiviadis G. Akritas. On the Budan–Fourier controversy. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 15(1):8–10, February 1981. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Akritas:1987:NPM**
- [Akr87] Alkiviadis G. Akritas. A note on a paper by M. Mignotte. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 21(4):23, November 1987. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Almkvist:2011:RLF**
- [Alm11] Gert Almkvist. Ramanujan-like formulas for $1/\pi^2$ and string theory [abstract only]. *ACM Communications in Computer Algebra*, 45(2):92, June 2011. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic). To appear in Proceedings of WWCA 2011.

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| <div style="border: 1px solid black; padding: 5px; text-align: center;">AlvarezSobreviela:2000:RBO</div> <p>[Alv00] Luis Alvarez Sobreviela. A Reduce-based OpenMath \leftrightarrow MathML translator. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 34(2):31–32, June 2000. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Arnold:2008:CRB</div> <p>[AM08] Andrew Arnold and Michael Monagan. Calculating really big cyclotomic polynomials (abstract only). <i>ACM Communications in Computer Algebra</i>, 42(1–2):48–49, March/June 2008. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Antritter:2010:EAC</div> <p>[AM10a] Felix Antritter and Johannes Middeke. An efficient algorithm for checking hyper-regularity of matrices. <i>ACM Communications in Computer Algebra</i>, 44(3):84–86, September 2010. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Arnold:2010:FRA</div> <p>[AM10b] Andrew Arnold and Michael Monagan. A fast recursive algorithm for computing cyclotomic polynomials. <i>ACM Communications in Computer Algebra</i>, 44(3):89–90, September 2010. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">Adj:2015:CDL</div> <p>[AMORH15] Gora Adj, Alfred Menezes, Thomaz Oliveira, and Francisco Rodríguez-Henríquez. Computing discrete logarithms using Joux’s algorithm. <i>ACM Communications in Computer Algebra</i>, 49(2):60, June 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Anonymous:1979:BR</div> <p>[Ano79] Anonymous. Book review. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 13(3):??, August 1979. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Anonymous:1982:ECP</div> <p>[Ano82a] Anonymous. EUROCAL ’83 call for papers. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 16(2):37, May 1982. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Anonymous:1982:KIS</div> <p>[Ano82b] Anonymous. KWIC index of SIGSAM Bulletin abstracts (1978–1981). <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 16(2):15–36, May 1982. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> |
|--|--|

- Anonymous:1982:SC**
- [Ano82c] Anonymous. SAME created. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 16(2):38, May 1982. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Anonymous:1984:PSM**
- [Ano84] Anonymous. Papers from Symbolic Mathematical Systems and Their Effects on the Curriculum — International Congress on Mathematical Education. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 18(4):1–62, November/February 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). Issue labeled vol. 18, no. 4, November 1984 (issue #72) and vol. 19, no. 1, February 1985 (issue #73).
- Anonymous:1991:PTC**
- [Ano91a] Anonymous. Proceedings of the Third CAYLEY Users Conference, November 17–19, 1988, Universität Essen. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 25(1):25–81, January 1991. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Anonymous:1991:SCR**
- [Ano91b] Anonymous. Symbolic computation research in Italy. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 25(3):38–48, July 1991. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Anonymous:1993:SSC**
- [Ano93] Anonymous. SymbMath 2.2: a symbolic calculator with learning. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 27(3):25–??, September 1993. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Anonymous:1995:ACS**
- [Ano95a] Anonymous. Abstracts of closing sessions of the Special Year in Computational Differential Algebra and Algebraic Geometry. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 29(3–4):13–18, December 1995. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Anonymous:1995:E**
- [Ano95b] Anonymous. ECCAD '95. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 29(2S (special issue)):21–28, June 1995. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). 2S (special issue).

- Anonymous:1995:EEC**
- [Ano95c] Anonymous. ECCAD '96: East Coast Computer Algebra Day. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 29(3–4):21, December 1995. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Anonymous:1995:IIS**
- [Ano95d] Anonymous. ISSAC '96: International Symposium on Symbolic and Algebraic Computation. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 29(3–4):19, December 1995. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Anonymous:1995:MMS**
- [Ano95e] Anonymous. Maple in the mathematical sciences. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 29(3–4):20, December 1995. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Anonymous:1995:SAS**
- [Ano95f] Anonymous. SAC '96: ACM symposium on applied computing. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 29(2S (special issue)):19–20, June 1995. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Anonymous:1996:CIB**
- [Ano96] Anonymous. Calendar. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 30(3):??, September 1996. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). Inside back cover.
- Anonymous:1998:PAI**
- [Ano98] Anonymous. Preliminary announcement: ISSAC '99 Vancouver: International Symposium on Symbolic and Algebraic Computation, July 1999, Simon Fraser University, British Columbia, Canada. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 32(1):64, March 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). URL <http://www.cecm.sfu.ca/ISSAC99/>.
- Anonymous:1999:ECC**
- [Ano99a] Anonymous. East Coast Computer Algebra Day 2000: Joint meeting with Southern Ontario Numerical Analysis Day 2000 and the 70th Birthday Celebration for Professor Hans J. Stetter; Announcement and Call for Participation. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(2):59, June 1999. CODEN SIGSBZ.

- ISSN 0163-5824 (print), 1557-9492 (electronic).
- Anonymous:1999:FACd**
- [Ano99b] Anonymous. First announcement and call for papers: ASCM'2000: The 4th Asian Symposium on Computer Mathematics, Chiang Mai, Thailand, December 17–21, 2000. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(2):62, June 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). URL <http://www.mmrc.iss.ac.cn/~ascm>.
- Anonymous:1999:FACa**
- [Ano99c] Anonymous. First announcement and call for papers: ISSAC 2000: International Symposium on Symbolic and Algebraic Computation, University of St. Andrews, Scotland, August 7–9, 2000. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(1):28, March 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Anonymous:1999:FACc**
- [Ano99d] Anonymous. First announcement and call for papers: ISSAC 2000: International Symposium on Symbolic and Algebraic Computation, University of St. Andrews, Scotland, August 7–9, 2000. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(2):58, June 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- [Ano99e] Group on Symbolic and Algebraic Manipulation), 33(2):60, June 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Anonymous:1999:FACb**
- Anonymous. First announcement and call for papers: MEGA 2000: The Sixth International Symposium on Effective Methods in Algebraic Geometry, Bath University (United Kingdom), June 20–24, 2000. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(1):30, March 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Anonymous:1999:IAI**
- [Ano99f] Anonymous. IMACS-ACA'2000: International Association for Mathematics and Computers in Simulation: 6th International Conference on Applications of Computer Algebra, June 25–28, 2000, Saint Petersburg, Russia. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(2):58, June 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Anonymous:1999:SACb**
- [Ano99g] Anonymous. Second announcement and call for papers: MEGA 2000: The Sixth International Symposium on Effective Methods in Algebraic

- Geometry, Bath University (United Kingdom), June 20–24, 2000. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(2):61, June 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Anonymous:1999:SACa**
- [Ano99h] Anonymous. Second announcement and call for papers: RWCA'00: Seventh Rhine Workshop on Computer Algebra, March 22 – March 24, 2000, Bregenz, Austria. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(1):29, March 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Anonymous:1999:SON**
- [Ano99i] Anonymous. Southern Ontario Numerical Analysis Day 2000: Joint meeting with East Coast Computer Algebra Day 2000 and the 70th Birthday Celebration for Professor Hans J. Stetter; Announcement and Call for Participation. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(2):63, June 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Anonymous:1999:TIW**
- [Ano99j] Anonymous. The Third International Workshop on Computer Algebra in Scientific Computing, CASC-2000, October 5–9, 2000, Samarkand State University, Samarkand, Uzbekistan. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(1):31, March 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Anonymous:1999:TCL**
- [Ano99k] Anonymous. Transactions on Computational Logic (TOCL): Call for papers. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(2):64, June 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). URL <http://www.acm.org/tocl>.
- Anonymous:2000:ECCa**
- [Ano00a] Anonymous. East Coast Computer Algebra Day: May 13, 2000, Ontario Research Centre for Computer Algebra, University of Western Ontario, London, Ontario, Canada: Abstracts of invited talks. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 34(3):21, September 2000. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Anonymous:2000:ECCb**
- [Ano00b] Anonymous. East Coast Computer Algebra Day: May 13, 2000, Ontario Research Centre for Computer Algebra, University

- city of Western Ontario, London, Ontario, Canada: Abstracts of posters. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 34(3): 22–27, September 2000. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Anonymous:2000:SONa**
- [Ano00c] Anonymous. Southern Ontario Numerical Analysis Day: May 12, 2000, Ontario Research Centre for Computer Algebra, University of Western Ontario, London, Ontario, Canada: Abstracts of invited talks. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 34(3): 28, September 2000. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Anonymous:2000:SONb**
- [Ano00d] Anonymous. Southern Ontario Numerical Analysis Day: May 12, 2000, Ontario Research Centre for Computer Algebra, University of Western Ontario, London, Ontario, Canada: Abstracts of invited talks. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 34(3): 29–31, September 2000. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Anonymous:2001:AAA**
- [Ano01a] Anonymous. Announcements: AAECC-14 Applied Algebra,
- [Ano01b] Algebraic Algorithms and Error Correcting Codes. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 35(2):35, June 2001. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Anonymous:2001:CPL**
- [Ano01c] Anonymous. Call for papers: Latin American Theoretical INformatics — LATIN '2002. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 35(2):36, June 2001. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Anonymous:2001:ECC**
- [Ano03] Anonymous. East coast computer algebra day 2002: Announcement and call for participation. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 35(4):40, December 2001. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Anonymous:2003:CPA**
- [Ano03] Anonymous. Call for participation: ASCM 2003: The Sixth Asian Symposium on Computer Mathematics, October 23–25, 2003 Beijing, China. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 37(2):64, June 2003. CODEN SIGSBZ.

- ISSN 0163-5824 (print), 1557-9492 (electronic).
- Anonymous:2008:ISS**
- [Ano08a] Anonymous. 10th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, Timisoara, Romania, September 26–29, 2008. *ACM Communications in Computer Algebra*, 42(1–2):104, March/June 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Anonymous:2008:MEP**
- [Ano08b] Anonymous. In memoriam Eugeny Pankratiev: Faculty of Mechanics and Mathematics, Moscow State University, Moscow, Russia. *ACM Communications in Computer Algebra*, 42(1–2):23–26, March/June 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Anonymous:2009:CA**
- [Ano09] Anonymous. Conference announcements. *ACM Communications in Computer Algebra*, 43(1):17–20, March 2009. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Anonymous:2010:AIT**
- [Ano10a] Anonymous. Abstracts of invited talks, contributed posters, and software demos at the East Coast Computer Algebra Day 2010. *ACM Communications in Computer Algebra*, 44(2):???, June 2010. CODEN ????
- ISSN 1932-2232 (print), 1932-2240 (electronic).
- Anonymous:2010:ARDa**
- [Ano10b] Anonymous. Abstracts of recent doctoral dissertations in computer algebra. *ACM Communications in Computer Algebra*, 44(2):???, June 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Anonymous:2010:ARDb**
- [Ano10c] Anonymous. Abstracts of recent doctoral dissertations in computer algebra. *ACM Communications in Computer Algebra*, 44(2):???, June 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Anonymous:2010:ETP**
- [Ano10d] Anonymous. Emerging trends papers accepted for PLMMS 2010. *ACM Communications in Computer Algebra*, 44(2):???, June 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Anonymous:2010:MCE**
- [Ano10e] Anonymous. In memoriam: Chionh Eng Wee. *ACM Communications in Computer Algebra*, 44(2):18–19, June 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Anonymous:2010:INM**
- [Ano10f] Anonymous. Issue 171 number 1, March 2010. *ACM Communications in Computer Algebra*, 44(2):???, June 2010. CODEN ????

- ???? ISSN 1932-2232 (print),
1932-2240 (electronic).
- Anonymous:2010:INJ**
- [Ano10g] Anonymous. Issue 172 number 2, June 2010. *ACM Communications in Computer Algebra*, 44(2):??, June 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Anonymous:2012:SD**
- [Ano12] Anonymous. Stefan Dodunekov 1945–2012. *ACM Communications in Computer Algebra*, 46 (3–4):70–71, September 2012. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Anonymous:2013:ICB**
- [Ano13a] Anonymous. ISSAC 2015: call for bids. *ACM Communications in Computer Algebra*, 47(1–2): 17, March 2013. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Anonymous:2013:MGA**
- [Ano13b] Anonymous. Mark Giesbrecht ACM distinguished scientist. *ACM Communications in Computer Algebra*, 47(3–4): 188, September 2013. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Anonymous:2013:RUEa**
- [Ano13c] Anonymous. Recent and upcoming events. *ACM Communications in Computer Algebra*, 47(1–2):24–25, March 2013. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Anonymous:2013:RUEb**
- [Ano13d] Anonymous. Recent and upcoming events. *ACM Communications in Computer Algebra*, 47(1–2):71–72, March 2013. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Anonymous:2013:RDJ**
- [Ano13e] Anonymous. Richard D. Jenks prize 2013: call for nominations. *ACM Communications in Computer Algebra*, 47(1–2): 18, March 2013. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Anonymous:2014:AEC**
- [Ano14a] Anonymous. Abstracts of the 2014 East Coast Computer Algebra Day: Communicated by Xiaobai Sun, Nikos P. Pitsianis, and Alexandros-Stavros Illopoulos. *ACM Communications in Computer Algebra*, 48 (2):59–63, March 2014. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Anonymous:2014:MSCa**
- [Ano14b] Anonymous. Message from the SIGSAM chair. *ACM Communications in Computer Algebra*, 48(1):1–2, March 2014. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).

- Anonymous:2014:MSCb**
- [Ano14c] Anonymous. Message from the SIGSAM chair. *ACM Communications in Computer Algebra*, 48(3/4):77, September 2014. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Andrews:2008:FDM**
- [AP08] George E. Andrews and Peter Paule. Further developments in MacMahon's partition analysis (abstract only). *ACM Communications in Computer Algebra*, 42(1–2):18, March/June 2008. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Aliasgari:2015:BIA**
- [APS15] Malihe Aliasgari, Daniel Panario, and Mohammad-Reza Sadeghi. Binomial ideal associated to a lattice and its label code. *ACM Communications in Computer Algebra*, 49(1):16–17, March 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Arasu:2015:SCP**
- [Ara15] K. T. Arasu. Stickelberger's congruences and perfect sequence constructions. *ACM Communications in Computer Algebra*, 49(1):17, March 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Arnon:1981:AAR**
- [Arn81] Dennis S. Arnon. Automatic analysis of real algebraic curves.
- SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)**, 15(4):3–9, November 1981. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Arnon:1987:RWE**
- [Arn87] Dennis S. Arnon. Report of the workshop on environments for computational mathematics. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 21(4):42–48, November 1987. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Arnon:2010:PIM**
- [Arn10] Dennis S. Arnon. A product information management system as a workbench for quantifier elimination computations with QEPCAD. *ACM Communications in Computer Algebra*, 44(3):87–88, September 2010. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Arri:2008:FCR**
- [Arr08] Alberto Arri. The F5 criterion revised. *ACM Communications in Computer Algebra*, 42(3):169–170, September 2008. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Arreche:2015:CDG**
- [Arr15] Carlos E. Arreche. Computing differential Galois groups of parameterized second-order linear differential equations. *ACM*

- Communications in Computer Algebra*, 49(1):23, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Alvarez:1999:SRP**
- [ÁS99] L. Álvarez and J. Sánchez. On some real problems in computer vision which yield to algebraic system of equations. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(3):13–14, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Arnold:2014:TFT**
- [AS14] Andrew Arnold and Éric Schost. A Truncated Fourier Transform middle product. *ACM Communications in Computer Algebra*, 48(3/4):98–99, September 2014. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Abramov:2016:CCA**
- [AS16] Sergei A. Abramov and Leonid A. Sevastianov. The conference “computer algebra” in Moscow. *ACM Communications in Computer Algebra*, 50(2):61–68, June 2016. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Aslaksen:1996:MVC**
- [Asl96] Helmer Aslaksen. Multiple-valued complex functions and computer algebra. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 30(2):12–20, June 1996. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Aliasgari:2015:JTB**
- Malihe Aliasgari, Mohammad-Reza Sadeghi, and Daniel Panario. A Johnson-type bound for group codes and lattices. *ACM Communications in Computer Algebra*, 49(1):16, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Antweiler:1989:TRI**
- [ASW89] Werner Antweiler, Andreas Strotmann, and Volker Winkelmann. A TeX-REDUCE interface. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 23(2):26–33, April 1989. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Al-shomrani:2008:DWB**
- Saleh Al-shomrani and Paul Wang. DMAS: a Web-based distributed mathematics assessment system (abstract only). *ACM Communications in Computer Algebra*, 42(1–2):67–68, March/June 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Atkinson:1981:SSC**
- [Atk81] M. D. Atkinson. Saving space in coset enumeration. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 15(2):1–10, June 1981. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

- Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 15(4):12–14, November 1981. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Andradas:1999:CPO**
- [AV99] C. Andradas and M. P. Vélez. Convex polytopes over ordered fields. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(3):14, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Anderson:1980:MEM**
- [AW80] Ned Anderson and Paul S. Wang. MACSYMA experiments with a modified Khachian-type algorithm in linear programming. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 14(1):8–13, February 1980. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Aichinger:2016:SGT**
- [AY16] Erhard Aichinger and Rika Yatchak. Sonata: a GAP tool for nearing computations. *ACM Communications in Computer Algebra*, 50(3):89–92, September 2016. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- [Ayd15] Nuh Aydin. Computer algebra challenges for constructing skew cyclic codes. *ACM Communications in Computer Algebra*, 49(1):13, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Aydin:2015:CAC**
- Almkvist:1991:MPF**
- Gert Almkvist and Doron Zeilberger. A Maple program that finds, and proves, recurrences and differential equations satisfied by hyperexponential definite integrals. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 25(3):14–17, July 1991. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Ba:2012:MBR**
- Thang Luu Ba. The matrix based representations of the intersection curves. *ACM Communications in Computer Algebra*, 46(3–4):114–115, September 2012. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Bachmann:1997:MEF**
- Olaf Bachmann. MPCR: An efficient and flexible chains of recurrences server. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(1):15–21, March 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

- | | |
|--|--|
| <div style="text-align: center; border: 1px solid black; padding: 2px;">Bahr:1969:SFF</div> <p>[Bah69] K. Bahr. A smaller FORTRAN FORMAC system. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, ??(12):59–60, July 1969. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Bahr:1971:ASP</div> <p>[Bah71] Knut Bahr. An algebraic simplification program in PL/I. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, ??(17):43–50, January 1971. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Bahr:1973:IBF</div> <p>[Bah73a] Knut Bahr. An interesting bug in FORMAC. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, ??(25): 23–24, March 1973. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Bahr:1973:SF</div> <p>[Bah73b] Knut A. Bahr. A speed-up of FORMAC. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, ??(27): 26–29, September 1973. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> | <div style="text-align: center; border: 1px solid black; padding: 2px;">Bahr:1974:TRF</div> <p>[Bah74] Knut A. Bahr. Toward a revision of FORMAC. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 8(1): 10–16, February 1974. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Bahr:1975:SP</div> <p>[Bah75a] Knut Bahr. Solution to problem 8. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 9(2):6, May 1975. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Bahr:1975:UFN</div> <p>[Bah75b] Knut Bahr. Utilizing the FORMAC novelties. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 9(1): 21–24, February 1975. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Bahr:1977:NRF</div> <p>[Bah77] K. A. Bahr. New release of FORMAC 73 available. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 11–12 (4–1):6, November and February 1977. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). Issue labeled vol. 11, no. 4, November 1977 (issue #44) and vol. 12, no. 1, February 1978 (issue #45).</p> |
|--|--|

- | | |
|--|---|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">Bainov:2002:TIC</div> <p>[Bai02] Drumi Bainov. Thirteenth International Colloquium on Differential Equations. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 36(1):32, March 2002. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Baker:1993:SPL</div> <p>[Bak93] Henry G. Baker. Sparse polynomials and linear logic. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 27(4):10–14, December 1993. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Balaban:1984:NNN</div> <p>[Bal84] Alexandru T. Balaban. Numerical and non-numerical methods in chemistry: present and future. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 18(2):29–30, May 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Banshchikov:2008:ADL</div> <p>[Ban08] Andrey V. Banshchikov. Analysis of dynamics of large-dimensional mechanical systems by the tools of computer algebra. <i>ACM Communications in Computer Algebra</i>, 42(3):166, September 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">Barton:1973:PLT</div> <p>[Bar73] David Barton. Problem #4: the Lie transform. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, ??(25):12–13, March 1973. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Barnett:1989:UPF</div> <p>[Bar89] M. P. Barnett. Using partial fraction formulas to sum some slowly convergent series analytically for molecular integral calculations. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 23(3):13–18, July 1989. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Barnett:1991:SSW</div> <p>[Bar91] Michael P. Barnett. Some simple ways to construct and to use formulas mechanically. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 25(2):28–36, April 1991. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Barroso:1999:PIT</div> <p>[Bar99] E. García Barroso. Polar invariants and topology. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 33(3):16, September 1999. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).</p> |
|--|---|

- [Bar02] Michael P. Barnett. Computer algebra in the life sciences. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 36(4):5–32, December 2002. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Barnett:2002:CAL**
- [Bar03] Michael P. Barnett. Symbolic computation of integrals by recurrence. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 37(2):49–63, June 2003. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Barnett:2003:SCI**
- [Bar08] Michael P. Barnett. Reasoning in symbolic computation. *ACM Communications in Computer Algebra*, 42(1–2):1–17, March/June 2008. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Barnett:2008:RSC**
- [Bar10a] Gregory V. Bard. Abstract only: DEMOCRACY: a heuristic for polynomial systems of equations over finite fields. *ACM Communications in Computer Algebra*, 44(2):25, June 2010. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic). [BB80]
- Bard:2010:AOD**
- [Bar10b] Michael P. Barnett. Computer algebra in the life sciences. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 36(4):5–32, December 2002. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Barnett:2002:CAL**
- [Bar15] Michael P. Barnett. Symbolic computation of integrals by recurrence. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 37(2):49–63, June 2003. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Barnett:2003:SCI**
- [Bat13] Daniel J. (Daniel James) Bates. *Numerically solving polynomial systems with Bertini*. Software, environments, and tools. Society for Industrial and Applied Mathematics, Philadelphia, PA, USA, 2013. ISBN 1-61197-269-8. xx + 352 pp. LCCN QA161.P59 B38 2013. URL <http://www.loc.gov/catdir/enhancements/fy1403/2013025584-b.html>; <http://www.loc.gov/catdir/enhancements/fy1403/2013025584-d.html>; <http://www.loc.gov/catdir/enhancements/fy1403/2013025584-t.html>.
- Bates:2013:NPB**
- [Bardavid:2010:DSG] Colas Bardavid. Differential schemes: geometric approach and functorial approach. *ACM Communications in Computer Algebra*, 44(3):157–159, September 2010. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Bardavid:2010:DSG**
- [Barkatou:2015:DAC] Moulay A. Barkatou. A direct algorithm for computing k -simple forms of first-order linear differential systems. *ACM Communications in Computer Algebra*, 49(1):23, March 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Barkatou:2015:DAC**
- [Bates:2013:NPB] Daniel J. (Daniel James) Bates. *Numerically solving polynomial systems with Bertini*. Software, environments, and tools. Society for Industrial and Applied Mathematics, Philadelphia, PA, USA, 2013. ISBN 1-61197-269-8. xx + 352 pp. LCCN QA161.P59 B38 2013. URL <http://www.loc.gov/catdir/enhancements/fy1403/2013025584-b.html>; <http://www.loc.gov/catdir/enhancements/fy1403/2013025584-d.html>; <http://www.loc.gov/catdir/enhancements/fy1403/2013025584-t.html>.
- Bates:2013:NPB**
- [Bachmair:1980:SPC] L. Bachmair and B. Buchberger. A simplified proof
- Bachmair:1980:SPC**

- of the characterization theorem for Gröbner-bases. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 14(4):29–34, November 1980. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Borwein:1996:SSA**
- [BB96] Jonathan Borwein and David Bradley. Searching symbolically for Apéry-like formulae for values of the Riemann zeta function. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 30(2):2–7, June 1996. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). URL <http://doi.acm.org/10.1145/235699.235700>.
- Babich:2002:WDE**
- [BBS⁺02] V. M. Babich, Yu. N. Bibikov, S. Yu. Slavyanov, N. V. Svanidze, T. F. Pankratova, and V. Novikova. Workshop on Differential Equations: Dedicated to the memory of Vladimir Lazutkin, St.Petersburg, Russia, August 18–20, 2002. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 36(1):18, March 2002. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Bordoni:1981:ARI**
- [BC81] Luciana Bordoni and Attilio Colagrossi. An application of REDUCE to industrial mechanics. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 15(2):8–12, May 1981. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Benghorbal:2002:D**
- Mhenni Benghorbal and Robert M. Corless. The n th derivative. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 36(1):10–14, March 2002. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Bostan:2010:RFT**
- [BCCL10] Alin Bostan, Shaoshi Chen, Frédéric Chyzak, and Ziming Li. Rational-functions telescopers: blending creative telescoping with Hermite reduction. *ACM Communications in Computer Algebra*, 44(1):9–10, March 2010. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Bossi:1980:ICM**
- [BCCR80] A. Bossi, L. Colussi, C. Cobelli, and G. Romanin Jacur. Identifiability of compartmental models: algorithms to solve an actual problem by means of symbolic calculus. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 14(4):35–40, November 1980. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

- DEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Bertone:2009:PAP**
- [BCG09] C. Bertone, G. Chéze, and A. Galligo. Probabilistic algorithms for polynomial absolute factorization. *ACM Communications in Computer Algebra*, 43(3):77–78, September 2009. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Buchberger:1982:CAS**
- [BCLA82] B. Buchberger, G. E. Collins, R. Loos, and R. Albrecht. Computer algebra symbolic and algebraic computation. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 16(4):5, November 1982. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Bostan:2011:FCC**
- [BCLS11] Alin Bostan, Frédéric Chyzak, Ziming Li, and Bruno Salvy. Fast computation of common left multiples of linear ordinary differential operators. *ACM Communications in Computer Algebra*, 45(2):111–112, June 2011. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Boyer:2014:MMW**
- [BD14] Brice Boyer and Jean-Guillaume Dumas. Matrix multiplication over word-size modular fields using Bini’s approximate formula. *ACM Communications in Computer Algebra*, 48(3/4):100–102, September 2014. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Bakshi:2015:CDS**
- [BD15] Ankita Bakshi and Deeksha. On a class of difference set pairs. *ACM Communications in Computer Algebra*, 49(1):17, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Bui:2013:SFQ**
- [BDM13] C. Bui, G. H. E. Duchamp, and Hoang Ngoc Minh. Schützenberger’s factorization on q -shuffle Hopf algebra. *ACM Communications in Computer Algebra*, 47(3–4):90–91, September 2013. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Beaudin:2015:SCN**
- [Bea15] Michel Beaudin. Same courses, new questions. *ACM Communications in Computer Algebra*, 49(2):48, June 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Beebe:1998:LBA**
- [Bee98] Nelson H. F. Beebe. Letters: Bibliography archive. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 32(1):1–3, March 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

- | | |
|---|---|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">Belovari:1983:Cas</div> <p>[Bel83] G. Belovari. Complex analysis in symbolic computing of some definite integrals. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 17(2):6–11, May 1983. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Benghorbal:2008:Ufa</div> <p>[Ben08a] Mhenni M. Benghorbal. Unified formulas for arbitrary order symbolic derivatives and anti-derivatives of the power-inverse hyperbolic class 1. <i>ACM Communications in Computer Algebra</i>, 42(3):156, September 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Benkiran:2008:Bfp</div> <p>[Ben08b] Amine Benkiran. Brouwer's fixed point theorem (abstract only). <i>ACM Communications in Computer Algebra</i>, 42(1–2): 68–69, March/June 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Bernstein:1970:Lpf</div> <p>[Ber70] Herbert J. Bernstein. Lude- man's PL/I FORMAC gradient problem as handled by FORTRAN SYMBOLANG. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, ??(14):19–34, January 1970. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">Berry:1983:Ca</div> <p>[Ber83] T. G. Berry. On Coates algorithm. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 17(2):12–17, May 1983. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Bernardin:1996:Rss</div> <p>[Ber96] Laurent Bernardin. A review of symbolic solvers. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 30(1): 9–20, March 1996. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Berggren:1998:Psf</div> <p>[Ber98a] L. Berggren. Position at Simon Fraser University. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 32(2):2, June 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Berkovich:1998:Fsc</div> <p>[Ber98b] L. M. Berkovich. Factorization of some classes of nonlinear ordinary differential equations: Methods and algorithms. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 32(2):52, June 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). Abstract only.</p> |
|---|---|

- Berman:1999:CGG**
- [Ber99a] Peter Berman. Computing the Galois group of $y^{(3)} + ay' + by = 0, a, b \in \mathbb{C}[x]$. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(3):20, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Bermejo:1999:AFS**
- [Ber99b] Isabel Bermejo. Abstracts of the fifth Spanish meeting on computer algebra and applications EACA-99. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(3):12–19, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Bernardin:1999:JFM**
- [Ber99c] Laurent Bernardin. A Java framework for massively distributed symbolic computing. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(3):20–21, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Berkovich:2006:FSC**
- [Ber06] L. M. Berkovich. Factorization of self-conjugated and reducible linear differential operators. *ACM Communications in Computer Algebra*, 40(2):35–37, June 2006. CODEN ????
- Besha:j:2015:HHS**
- [Bes15] L. Besha:j. Heights on hyperelliptic and superelliptic curves. *ACM Communications in Computer Algebra*, 49(2):58, June 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Betten:2013:CDO**
- [Bet13] Anton Betten. Classifying discrete objects with Orbiter. *ACM Communications in Computer Algebra*, 47(3–4):183–186, September 2013. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Barton:1974:AMC**
- [BF74] D. Barton and J. P. Fitch. Algebraic manipulation in Cambridge. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 8(1):8–9, February 1974. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Baladi:1990:PCP**
- [BG90] V. Baladi and J. P. Guillement. A program for computing Puiseux expansions. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 24(4):33–41, October 1990. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

- Bachmann:1997:DEM**
- [BG97] Olaf Bachmann and Simon Gray. A demonstration of exchanging mathematical expressions using MP. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(3):50, September 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). Poster abstract only.
- Bennenni:2015:CCD**
- [BGG15] Nabil Bennenni, Kenza Guenda, and Aaron Gulliver. Construction of codes for DNA computing by the greedy algorithm. *ACM Communications in Computer Algebra*, 49(1):14, March 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Blair:1970:IFS**
- [BGJ70] F. W. Blair, J. H. Griesmer, and R. D. Jenks. An interactive facility for symbolic mathematics. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, ??(14):17–18, January 1970. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Boady:2011:SCS**
- [BGJ11] Mark Boady, Pavel Grinfeld, and Jeremy Johnson. A symbolic computation system for the calculus of moving surfaces. *ACM Communications in Computer Algebra*, 45(2):109–110, June 2011. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Bermejo:2012:ML**
- [BGLG12] I. Bermejo, E. García-Llorente, and Ph. Gimenez. `monomialideal.lib`. *ACM Communications in Computer Algebra*, 46(3–4):160–161, September 2012. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Bachler:2010:TDA**
- [BGLH⁺10] Thomas Bächler, Vladimir Gerdt, Markus Lange-Hegermann, Wilhelm Plesken, and Daniel Robertz. Thomas decomposition and its applications. *ACM Communications in Computer Algebra*, 44(3):91–92, September 2010. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Bermejo:1999:CMR**
- [BGM99] I. Bermejo, Ph. Gimenez, and M. Morales. On Castelnuovo-Mumford regularity of codimension two monomial varieties. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(3):14, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Bermejo:2010:ACW**
- [BGM10] Isabel Bermejo and Ignacio García-Marco. An algorithm

- for checking whether a simplicial toric ideal is a complete intersection. *ACM Communications in Computer Algebra*, 44(3):93–94, September 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Barton:1972:CPF**
- [BH72a] David Barton and Anthony C. Hearn. Comment on problem #2 — the Y_{2n} functions. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 15(?):??, ??? 1972. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Brown:1972:A**
- [BH72b] W. S. Brown and A. D. Hall. ALTRAN. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, ??(24):4–7, October 1972. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Bondari:1997:MRI**
- [BH97] Siamack Bondari and Irvin Roy Hentzel. The McCrimmon radical for identities of degree 3. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(1):2–5, March 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- [BI91a] Michel Beaudin and Frédéric Henri. Piecewise functions and convolution integrals (part I, part II). *ACM Communications in Computer Algebra*, 49(1):34, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Beaudin:2015:PFC**
- [BI91b] James Belk, Nabil Hossain, Francesco Matucci, and Robert McGrail. Implementation of a solution to the conjugacy problem in Thompson’s group F . *ACM Communications in Computer Algebra*, 47(3–4):120–121, September 2013. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Belk:2013:ISC**
- [Butler:1991:TDD] Greg Butler and Sridhar S. Iyer. Towards a deductive database for small simple groups. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 25(4):7–17, October 1991. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Butler:1991:TDD**
- G. Butler and S. S. Iyer. Towards a deductive database for small simple groups. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 25(4):7–17, October 1991. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

- Bibel:1984:LAC**
- [Bib84] Wolfgang Bibel. Logic and algebraic computation. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 18(2):26, May 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Binger:1987:BT**
- [Bin87a] D. Binger. Burnside's theorem. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 21(3):19–23, August 1987. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Binger:1987:ON**
- [Bin87b] D. Binger. Optimization on networks. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 21(3):54–60, August 1987. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Bostan:2006:SSL**
- [BJS06] Alin Bostan, Claude-Pierre Jeannerod, and Éric Schost. Solving structured linear systems of large displacement rank. *ACM Communications in Computer Algebra*, 40(2):42–44, June 2006. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Ballarin:2004:SPL**
- [BK04] Clemens Ballarin and Manuel Kauers. Solving parametric linear systems: an experiment with constraint algebraic programming. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 38(2):33–46, June 2004. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Belhaj:2012:CCG**
- [Bel12] Skander Belhaj and Haïthem Ben Kahla. On the complexity of computing the GCD of two polynomials via Hankel matrices. *ACM Communications in Computer Algebra*, 46(3–4):74–75, September 2012. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Boyer:2014:NLS**
- [BK12] Brice Boyer and Erich L. Kaltofen. Numerical linear system solving with parametric entries by error correction. *ACM Communications in Computer Algebra*, 48(3/4):103–105, September 2014. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Belov:2005:MMC**
- [BKKS05] Nadya Belov, Colin Koeck, Werner Krandick, and Joshua Shaffer. Mobile mathematics communication. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 39(3):99, 2005. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-

- 9492 (electronic). ISSAC 2005 poster abstract.
- Borwein:2007:IPB**
- [BKM07] Peter Borwein, Erich Kaltofen, and Michael J. Mossinghoff. Irreducible polynomials and Barker sequences. *ACM Communications in Computer Algebra*, 41(4):118–121, December 2007. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Broughan:1991:SSC**
- [BKR⁺91] K. A. Broughan, G. Keady, T. D. Robb, M. G. Richardson, and M. C. Dewar. Some symbolic computing links to the NAG numeric library. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 25(3):28–37, July 1991. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Blumlein:2010:SSA**
- [BKSS10] Johannes Blümlein, Sebastian Klein, Carsten Schneider, and Flavia Stan. A symbolic summation approach to Feynman integrals. *ACM Communications in Computer Algebra*, 44(3):95–96, September 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Blankertz:2014:PTA**
- [Bla14] Raoul Blankertz. A polynomial time algorithm for computing all minimal decompositions of a polynomial. *ACM Communications in Computer Algebra*, 48(1):13–23, March 2014. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Barakat:2010:LLC**
- [BLH10] Mohamed Barakat and Markus Lange-Hegermann. LocalizeRingForHomalg: localize commutative rings at maximal ideals. *ACM Communications in Computer Algebra*, 44(4):201–204, December 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Billey:2008:ACP**
- [BM08] Sara C. Billey and Stephen A. Mitchell. Affine colored partitions (abstract only). *ACM Communications in Computer Algebra*, 42(1–2):19, March/June 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Bard:2015:PRO**
- [BM15] Gregory V. Bard and Theodore McDonough. Plaintext recovery for one-time pads used twice. *ACM Communications in Computer Algebra*, 49(1):17–18, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Bouchon-Meunier:1998:ICM**
- [BMK98] Bernadette Bouchon-Meunier and Vladik Kreinovich. From interval computations to modal mathematics: Applications and computational complexity.

- SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 32(2):7–11, June 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Barile:1999:EDM**
- [BMT99] M. Barile, M. Morales, and A. Thoma. On equations defining monomial varieties. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(3):14, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Bates:2014:DHS**
- [BNN14] Daniel J. Bates, Andrew J. Newell, and Matthew E. Niemerg. Decoupling highly structured polynomial systems. *ACM Communications in Computer Algebra*, 48(3/4):133, September 2014. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Borwein:1998:MPW**
- [Bor98] Jonathan Borwein. Mathematical publication on the Web. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 32(1):4–7, March 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Bose:1984:SAC**
- [Bos84] N. K. Bose. Symbolic and algebraic computations in multidimensional systems theory. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 18(2):31–32, May 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Bourne:1972:C**
- S. R. Bourne. CAMAL. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, ??(24):8–11, October 1972. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Bouzidi:2015:CSL**
- Yacine Bouzidi. Computing separating linear forms for bivariate systems. *ACM Communications in Computer Algebra*, 49(2):51–52, June 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Barkatou:2012:IMP**
- Moulay A. Barkatou, Eckhard Pflügel, and Flavia Stan. ISOLDE: a Maple package for systems of linear functional equations. *ACM Communications in Computer Algebra*, 46(3–4):157–159, September 2012. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Braham:1998:NON**
- Stephen P. Braham. NAOMI One: North American Open-Math Initiative goes online.

- SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 32(2):23–29, June 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Bremner:2005:JAA**
- [Bre05] Murray R. Bremner. Jordan algebras arising from intermolecular recombination. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 39(4):106–117, December 2005. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Brown:1974:CFR**
- [Bro74] W. S. Brown. On computing with factored rational expressions. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 8(3):26–34, August 1974. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Bronstein:1993:IPI**
- [Bro93] Manuel Bronstein, editor. *IS-SAC'93: proceedings of the 1993 International Symposium on Symbolic and Algebraic Computation, July 6–8, 1993, Kiev, Ukraine*. ACM Press, New York, NY, USA, 1993. ISBN 0-89791-604-2. LCCN QA 76.95 I59 1993. ACM order number: 505930.
- [Bro03]
- Brown:2003:QBP**
- Christopher W. Brown. QEP-CAD B: a program for computing with semi-algebraic sets using CADs. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 37(4):97–108, December 2003. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Brown:2004:QBS**
- Christopher W. Brown. QEP-CAD B: a system for computing with semi-algebraic sets via cylindrical algebraic decomposition. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 38(1):23–24, March 2004. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Broughan:2009:AEE**
- Kevin A. Broughan. An algorithm for the explicit evaluation of $\text{GL}(nR)$ Kloosterman sums. *ACM Communications in Computer Algebra*, 43(1):1–10, March 2009. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Bronstein:2013:MBC**
- Manuel Bronstein. Manuel Bronstein's codes. *ACM Communications in Computer Algebra*, 47(1–2):16, March 2013. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).

- Buchberger:2008:GPR**
- [BRRT08] Bruno Buchberger, Georg Regensburger, Markus Rosenkranz, and Loredana Tec. General polynomial reduction with TH 9 OREM 8 functors: applications to integro-differential operators and polynomials. *ACM Communications in Computer Algebra*, 42(3):135–137, September 2008. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Bahr:1974:TAM**
- [BS74] Knut Bahr and Jaap Smit. Tuning an algebraic manipulation system through measurements. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 8(3):17–23, August 1974. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Bagheri:2015:NNA**
- [BS15] Kadijeh Bagheri and Mohammad-Reza Sadeghi. A new non-associative cryptosystem based on NTOW public key cryptosystem and octonions algebra. *ACM Communications in Computer Algebra*, 49(1):13, March 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Bernal:2015:NMB**
- [BSBC15] José Joaquín Bernal, Juan Jacobo Simón, and Diana H. Bueno-Carreño. A notion of multivariate BCH bounds and codes. *ACM Communications in Computer Algebra*, 49(1):18, March 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Bshouty:2012:T**
- [Bsh12] Nader H. Bshouty. Testers. *ACM Communications in Computer Algebra*, 46(3–4):78–79, September 2012. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Beshaj:2015:JCS**
- [BSS15] L. Beshaj, T. Shaska, and C. Shor. On Jacobians of curves with superelliptic components. *ACM Communications in Computer Algebra*, 49(2):52, June 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Bueso:1999:WFG**
- [BTL99] J. L. Bueso, J. Gómez Torrecillas, and F. J. Lobillo. When is a finitely generated algebra of Poincaré–Birkhoff–Witt type? *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(3):14–15, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Beutelspacher:1993:SIGa**
- [BU93a] Albrecht Beutelspacher and Johannes Ueberberg. Symbolic Incidence Geometry: Proposal for doing geometry with a computer (part 1 of 2). *SIGSAM*

- Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 27(2):19–29, April 1993. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Beutelspacher:1993:SIGb**
- [BU93b] Albrecht Beutelspacher and Johannes Ueberberg. Symbolic Incidence Geometry: Proposal for doing geometry with a computer (part 2 of 2). *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 27(3):9–24, September 1993. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Buchberger:1976:SPG**
- [Buc76a] B. Buchberger. Some properties of Gröbner-bases for polynomial ideals. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 10(4):19–24, November 1976. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Buchberger:1976:TBR**
- [Buc76b] B. Buchberger. A theoretical basis for the reduction of polynomials to canonical forms. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 10(3):19–29, August 1976. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Buchberger:1984:CTP**
- [Buc84] B. Buchberger. CAMP: a teaching project in symbolic computation at the University of Linz. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 18–19(4–1):8–9, November/February 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Buchberger:1990:SSL**
- [Buc90] Bruno Buchberger. Should students learn integration rules? *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 24(1):10–17, January 1990. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Buchanan:1991:STP**
- [Buc91] S. Alasdair Buchanan. Some theoretical problems when solving systems of polynomial equations using Gröbner bases. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 25(2):24–27, April 1991. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Buchberger:2002:CAE**
- [Buc02] Bruno Buchberger. Computer algebra: The end of mathematics? *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 36(1):3–9, March 2002.

- CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Buchel:2003:RDB**
- [Buc03] Alex Buchel. Review of *D-Branes* by Clifford V. Johnson. Cambridge University Press 2002. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 37(4):125–127, December 2003. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Bulygin:2010:AOP**
- [Bul10] Stanislav Bulygin. Abstract only: Polynomial system solving for decoding linear codes and algebraic cryptanalysis parametric polynomial system discussion: canonical comprehensive. *ACM Communications in Computer Algebra*, 44(2):72, June 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Bundschuh:1983:GDF**
- [Bun83] Florian Bundschuh. Global data flow analysis in Aldes. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 17(1):6–11, February 1983. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Burkhart:2008:MPD**
- [Bur08] Brandon Burkhart. Models of population dynamics (abstract only). *ACM Communications in Computer Algebra*, 42(1–2):69, March/June 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Butler:1985:ICA**
- [But85] Gregory Butler. An improvement to the centralizer algorithm for permutation groups. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 19(2):14–18, May 1985. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Butler:1992:AAA**
- [But92] Greg Butler. An analysis of Atkinson’s algorithms. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 26(2):1–9, April 1992. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Bauschke:2006:SCF**
- [BvM06] Heinz H. Bauschke and Martin v. Mohrenschildt. Symbolic computation of Fenchel conjugates. *ACM Communications in Computer Algebra*, 40(1):18–28, March 2006. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Bonorden:2001:FBP**
- [BvzGG⁺01] Olaf Bonorden, Joachim von zur Gathen, Jürgen Gerhard, Olaf Müller, and Michael Nöcker. Factoring a binary polynomial of degree over one million.

- SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 35(1):16–18, March 2001. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Buchberger:1998:ICG**
- [BW98a] B. Buchberger and F. Winkler. Intensive course on Gröbner bases. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 32(2):38, June 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Buchberger:1998:YGB**
- [BW98b] Bruno Buchberger and Franz Winkler, editors. *33 years of Gröbner bases: Gröbner bases and applications: Conference — February 1998, Linz, Austria*, number 251 in London Mathematical Society Lecture Note Series. Cambridge University Press, Cambridge, UK, 1998. ISBN 0-521-63298-6. LCCN QA251.3.G76 1998.
- Braun:2002:RWO**
- [BY02] W. John Braun and Hao Yu. Review: *Weighing the Odds*, by D. Williams. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 36(1):15–17, March 2002. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- [BZ12] Felix Breuer and Zafeirakis Zafeirakopoulos. Partition analysis via polyhedral geometry. *ACM Communications in Computer Algebra*, 46(3–4):76–77, September 2012. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Breuer:2012:PAP**
- Jacques Calmet. Computer recognition of divergences in Feynman diagrams. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 8(3):74–75, August 1974. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Calmet:1974:CRD**
- Jacques Calmet. Introducing computer algebra to users and to students. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 18–19(4–1):10–14, November/February 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Calmet:1984:ICA**
- J. Calmet. Announcement: Workshop on Under- and Over-Determined Systems of Algebraic or Differential Equations. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 35(3):39, September 2001. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Calmet:2001:AWU**

- | | |
|--|---|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">Campbell:1972:PF</div> <p>[Cam72] J. A. Campbell. Problem #2 — the Y_{2n} functions. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, ??(22):8–9, March 1972. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Campbell:1973:PPD</div> <p>[Cam73] J. A. Campbell. Problem #5: a problem in differentiation arising from the Runge–Kutta–Nyström method. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, ??(25):13–14, March 1973. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Campbell:1975:APL</div> <p>[Cam75] J. A. Campbell. Automatic programming in LISP. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 9(2):11–13, May 1975. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Campbell:1976:CSC</div> <p>[Cam76] J. A. Campbell. Compact storage for computations involving partitions. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 10(4):46–47, November 1976. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">Campbell:1988:SIE</div> <p>[Cam88] Graham H. Campbell. Symbolic integration of expressions involving unspecified functions. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 22(1):25–27, January 1988. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Cannon:1969:CAP</div> <p>[Can69] John J. Cannon. A critique of algebraic programming languages. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, ??(12):18–27, July 1969. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Cannon:1991:BCC</div> <p>[Can91] John Cannon. A bibliography of Cayley citations. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 25(1):75–81, January 1991. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Caprasse:1986:CSP</div> <p>[Cap86a] H. Caprasse. A complete simplification package for the absolute value function in the real domain. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 20(1–2):18–21, February/May 1986.</p> |
|--|---|

- CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). Implementation for REDUCE 3.2 of the function ABS.
- Caprasse:1986:DEM**
- [Cap86b] H. Caprasse. Description of an extension of the Matrix package of “Reduce”. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 20(4):7–10, December 1986. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Caprotti:2003:ISS**
- [Cap03] Olga Caprotti. International Symposium on Symbolic and Algebraic Computation: poster abstracts 2003. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 37(3):65, September 2003. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Carlisle:2000:OMX**
- [Car00] David Carlisle. OpenMath, MathML, and XSL. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 34(2):6–11, June 2000. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Caruso:2003:ISS**
- [Car03] Fabrizio Caruso. Interpolation in symbolic summation. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 37(3):66, September 2003. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Casale:2008:AEL**
- [Cas08] Giuliano Casale. An application of exact linear algebra to capacity planning models. *ACM Communications in Computer Algebra*, 42(4):202–205, December 2008. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Caviness:1975:MCR**
- [Cav75] B. F. Caviness. More on computing roots of integers. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 9(3):18–20, August 1975. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Caviness:1972:SMC**
- [CC72] B. F. Caviness and G. E. Collins. Symbolic mathematical computation in a Ph.D. Computer Science program. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, ??(23):25–28, July 1972. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Calmet:1983:SRR**
- [CC83] Jacques Calmet and Ian Cohen. Synthesizing recurrence relations. I. analysis of the problems. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 17(3):66–69, September 1983. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

- Special Interest Group on Symbolic and Algebraic Manipulation*), 17(2):18–25, May 1983. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- [CC08] Massimo Caboara and Fabrizio Caruso. Group actions on Gröbner bases of saturated zero-dimensional binomial ideals. *ACM Communications in Computer Algebra*, 42(3):138–139, September 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- [CCA13a] CCA Editors. Abstracts of recent doctoral dissertations in computer algebra. *ACM Communications in Computer Algebra*, 47(3–4):124–125, September 2013. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- [CCA13b] CCA Editors. Abstracts of recent doctoral dissertations in computer algebra. *ACM Communications in Computer Algebra*, 47(3–4):189–190, September 2013. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- [CCA14a] CCA Editors. Abstracts of recent doctoral dissertations in computer algebra. *ACM Communications in Computer Algebra*, 48(1):28, March 2014. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- [CCA14b] **Caboara:2008:GAG**
- [CCA14c] **Editors:2013:ARDa**
- [CCA14d] **Editors:2013:ARD**
- [CCA14e] **Editors:2014:ARDb**
- [CCA14f] CCA Editors. Abstracts of recent doctoral dissertations in computer algebra. *ACM Communications in Computer Algebra*, 48(2):64–66, March 2014. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- [CCA14g] **Editors:2014:ARDc**
- [CCA14h] CCA Editors. Abstracts of recent doctoral dissertations in computer algebra. *ACM Communications in Computer Algebra*, 48(3/4):148–150, September 2014. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- [CCA14i] **Editors:2014:ARDd**
- [CCA15] CCA Editors. Abstracts of recent doctoral dissertations in computer algebra. *ACM Communications in Computer Algebra*, 48(3/4):202, September 2014. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- [CCA16] **Editors:2015:ARD**
- [CCA17] CCA Editors. Abstracts of recent doctoral dissertations in computer algebra. *ACM Communications in Computer Algebra*, 49(1):36, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).

- Chen:2014:BPA**
- [CCM⁺14] Changbo Chen, Svyatoslav Covanov, Farnam Mansouri, Marc Moreno Maza, Ning Xie, and Yuzhen Xie. Basic polynomial algebra subprograms. *ACM Communications in Computer Algebra*, 48(3/4):197–201, September 2014. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Chen:2016:BPA**
- [CCM⁺16] Changbo Chen, Svyatoslav Covanov, Farnam Mansouri, Robert H. C. Moir, Marc Moreno Maza, Ning Xie, and Yuzhen Xie. The basic polynomial algebra subprograms. *ACM Communications in Computer Algebra*, 50(3):97–100, September 2016. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Caprotti:2000:JPC**
- [CCR00] Olga Caprotti, Arjeh M. Cohen, and Manfred Riem. JAVA phrasebooks for computer algebra and automated deduction. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 34(2):33–37, June 2000. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Corless:2000:AAS**
- [CDJW00] Robert M. Corless, James H. Davenport, David J. Jeffrey, and Stephen M. Watt. “accord-
- ing to Abramowitz and Stegun” or arccoth needn’t be uncouth. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 34(2):58–65, June 2000. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Chen:2011:CRS**
- [CDL⁺11] Changbo Chen, James H. Davenport, Fran ois Lemaire, Marc Moreno Maza, Bican Xia, Rong Xiao, and Yuzhen Xie. Computing the real solutions of polynomial systems with the RegularChains library in Maple. *ACM Communications in Computer Algebra*, 45(3–4):166–168, September 2011. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Chien:2015:CTD**
- [CDM15] Bui Van Chien, G. H. E. Duchamp, and Hoang Ngoc Minh. Computation tool for the q -deformed quasi-shuffle algebras and representations of structure of MZVs. *ACM Communications in Computer Algebra*, 49(4):117–120, December 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Cattani:1999:SRH**
- E. Cattani, A. Dickenstein, and B. Sturmfels. The search for rational A-hypergeometric functions. *SIGSAM Bulletin (ACM Special Interest Group*

- on Symbolic and Algebraic Manipulation)*, 33(3):15, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Caviness:1977:NCA**
- [CE77] B. F. Caviness and H. I. Epstein. A note on the complexity of algebraic differentiation. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 11(3):4–6, August 1977. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- ChAze:2008:AFB**
- [CEGW08] G. Chèze, M. Elkadi, A. Galligo, and M. Weimann. Absolute factoring of bidegree bivariate polynomials. *ACM Communications in Computer Algebra*, 42(3):151–153, September 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Cetinkaya:1996:MBR**
- [Cet96] Cetin Cetinkaya. Message from the Book Review Editor. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 30(3):1, September 1996. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Cetinkaya:1997:BR**
- [Cet97] Cetin Cetinkaya. Book reviews. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(1):26, March 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Char:1983:MSC**
- [CGG83] Bruce Char, Keith Geddes, and Gaston Gonnet. The Maple symbolic computation system. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 17(3–4):31–42, August/November 1983. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Caviness:2004:MRD**
- [CGG⁺04] Bob Caviness, Barbara Gatje, James H. Griesmer, Tony Hearn, Manual Bronstein, and Erich Kaltofen. In memoriam: Richard Dimick Jenks: Axiom developer and computer algebra pioneer. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 38(1):30, March 2004. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). URL <http://>

- [savannah.nongnu.org/projects/1/axiom/.](http://savannah.nongnu.org/projects/1/axiom/)
- Cheng:2005:SEEA**
- [CGKZ05a] Howard Cheng, Barry Gergel, Ethan Kim, and Eugene Zima. Space-efficient evaluation of hypergeometric series. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 39(2):41–52, June 2005. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Cheng:2005:SEEb**
- [CGKZ05b] Howard Cheng, Barry Gergel, Ethan Kim, and Eugene Zima. Space-efficient evaluation of hypergeometric series. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 39(3):81–83, 2005. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). ISSAC 2005 poster abstract.
- Cheng:2005:ITR**
- [CGL05] Jin-San Cheng, Xiao-Shan Gao, and Ming Li. Intrinsic topological representation of real algebraic surfaces. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 39(3):80–81, September 2005. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). ISSAC 2005 poster abstract.
- Caprasse:1985:NUO**
- [CH85] H. Caprasse and M. Hans. A new use of operators in the algebraic mode of REDUCE. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 19(3):46–52, August 1985. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Chan:1981:NSO**
- Woon Cheung Chan. A novel symbolic ordinary differential equation solver. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 15(3):9–14, August 1981. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Char:1986:PSS**
- Bruce W. Char, editor. *Proceedings of the 1986 Symposium on Symbolic and Algebraic Computation: Symsac '86, July 21–23, 1986, Waterloo, Ontario*. ACM Press, New York, NY, USA, 1986. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. ACM order no. 505860.
- Char:1990:RAM**
- Bruce W. Char. Report on the 7th Annual Maple Workshop. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 24(1):18, January 1990. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

	Char:1991:RAM		Chen:1983:SMF
[Cha91]	Bruce W. Char. Report on the 8th Annual Maple Workshop. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i> , 25(1):24, January 1991. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).	[Che83]	Dongyue Chen. Symbol manipulation and formula manipulation. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i> , 17(2):26–27, May 1983. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
	Char:1996:FAC		Char:1999:DSE
[Cha96a]	Bruce Char. First announcement and call for papers: ISSAC '97: International Symposium on Symbolic and Algebraic Computation. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i> , 30(2):44–46, June 1996. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).	[CHH ⁺ 99]	Bruce W. Char, Anthony Harriison, Thomas Hewett, Ron Perline, and Muksim Rakhimov. Developing the Soliton Explorer: a problem solving environment for soliton surface investigation. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i> , 33(3):22–23, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
	Char:1996:I		Char:1997:SCT
[Cha96b]	Bruce Char. ISSAC '97. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i> , 30(3):30, September 1996. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).	[CHJ ⁺ 97]	Bruce Char, Tom Hewett, Jeremy Johnson, Lakshman Yagati, Ron Perline, Raji Venkatesan, Hoi Man Chang, Michael Miller, and Clint Hepner. Symbolic computation tools in scientific problem solving environments. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i> , 31(3):58, September 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). Poster abstract only.
	Char:1997:SCM		
[Cha97]	Bruce Char. SIGSAM Chair's message. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i> , 31(3):2–3, September 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).		

- Corless:2014:SDI**
- [CHJ14] Robert M. Corless, Junrui Hu, and D. J. Jeffrey. Some definite integrals containing the Tree T function. *ACM Communications in Computer Algebra*, 48(2):33–41, March 2014. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Chen:2014:IAP**
- [CHL14] Shaoshi Chen, Hui Huang, and Ziming Li. Improved Abramov–Petkovsek’s reduction and creative telescoping for hypergeometric terms. *ACM Communications in Computer Algebra*, 48(3/4):106–108, September 2014. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Corless:1988:CTC**
- [CJ88] R. M. Corless and D. J. Jeffrey. A comparison of three computer algebra systems for the solution of a problem in hydrodynamic lubrication. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 22(2):50–62, April 1988. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Corless:1992:WLI**
- [CJ92] Robert M. Corless and David J. Jeffrey. Well . . . it isn’t quite that simple. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 26(3):2–6, August 1992. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Corless:1996:ECU**
- [CJ96] Robert M. Corless and David J. Jeffrey. Editor’s corner: The unwinding number. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 30(2):28–35, June 1996. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Corless:1997:TFR**
- [CJ97] R. M. Corless and D. J. Jeffrey. The Turing factorization of a rectangular matrix. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(3):20–28, September 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Corless:1998:GER**
- [CJ98] Robert M. Corless and David J. Jeffrey. Graphing elementary Riemann surfaces. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 32(1):11–17, March 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Chtcherba:2003:RBD**
- [CK03] Arthur D. Chtcherba and Deepak Kapur. On the relationship between the Dixon-based resultant construction and the

- supports of polynomial systems. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 37(3):66–67, September 2003. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Ceberio:2004:GAO**
- [CK04] Martine Ceberio and Vladik Kreinovich. Greedy algorithms for optimizing multivariate Horner schemes. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 38(1):8–15, March 2004. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Corless:2003:ACP**
- [CKW03] Robert M. Corless, Hiroshi Kai, and Stephen M. Watt. Approximate computation of pseudovarieties. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 37(3):67–71, September 2003. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Collins:1982:JSA**
- [CL82] George E. Collins and Rüdiger G. K. Loos. The Jacobi symbol algorithm. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 16(1):12–16, February 1982. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- [CL87] Jacques Calmet and Denis Lugiez. A knowledge-based system for computer algebra. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 21(1):7–13, February 1987. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Calmet:1987:KBS**
- [CL96] Jacques Calmet and Carla Limongelli, editors. *Design and implementation of symbolic computation systems: International Symposium, DISCO '96, Karlsruhe, Germany, September 18–20, 1996: proceedings*, volume 1128 of *Lecture Notes in Computer Science*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1996. ISBN 3-540-61697-7 (softcover). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN QA76.9.S88I576 1996.
- Calmet:1996:DIS**
- [CL09] Howard Cheng and George Labahn. Applying linear algebra routines to modular ore polynomial matrix algorithms. *ACM Communications in Computer Algebra*, 43(3):78–79, September 2009. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Cheng:2009:ALA**
- [CL11] Muhammad F. I. Chowdhury and Romain Lebreton. Root
- Chowdhury:2011:RLT**

- lifting techniques and applications to list decoding. *ACM Communications in Computer Algebra*, 45(2):113–114, June 2011. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Cherchem:2015:ESP**
- [CL15] Ahmed Cherchem and André Leroy. Exponents of skew polynomials. *ACM Communications in Computer Algebra*, 49(1):14, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Clark:1969:SSS**
- [Cla69] S. James Clark. Symbolic solution of a system of first order linear differential equations. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, ??(11):13–18, April 1969. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Clarkson:1989:MIL**
- [Cla89] M. Clarkson. MACSYMA’s inverse Laplace transform. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 23(1):33–38, January 1989. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Chen:2008:RCS**
- [CLM⁺08] Changbo Chen, Liyun Li, Marc Moreno Maza, Wei Pan, and Yuzhen Xie. On the representation of constructible sets. *ACM Communications in Computer Algebra*, 42(3):162–163, September 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Cheng:2008:CPL**
- [CLZ08] Howard Cheng, George Labahn, and Wei Zhou. Computing polynomial LCM and GCD in Lagrange basis. *ACM Communications in Computer Algebra*, 42(3):129–130, September 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Cioni:1976:UMA**
- [CM76] Gianna Cioni and Alfonso Miola. Using minicomputers for algebraic computations. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 10(4):50–52, November 1976. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Colagrossi:1983:CRZ**
- [CM83] Attilio Colagrossi and Alfonso M. Miola. Computing real zeros of polynomials with parametric coefficients. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 17(1):12–15, February 1983. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

- Clark:1999:MM**
- [CM99] David Clark and James McCaron. Modules for Maple. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(3):24–25, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Cooperman:2002:OMW**
- [CM02] Gene Cooperman and Xiaoqin Ma. Overcoming the memory wall in symbolic algebra: a faster permutation multiplication. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 36(4):1–4, December 2002. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Caboara:2015:HQP**
- [CM15] Massimo Caboara and Carla Mascia. On the Hilbert quasi-polynomials for non-standard graded rings. *ACM Communications in Computer Algebra*, 49(3):101–104, September 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Chen:2008:CPM**
- [CML⁺08] Changbo Chen, Marc Moreno Maza, François Lemaire, Wei Pan, Liyun Li, and Yuzhen Xie. The ConstructibleSetTools and ParametricSystemTools modules of the RegularChains library in Maple. *ACM Communications in Computer Algebra*, 42(3):182–184, September 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Chowdhury:2010:CPR**
- [CMPS10] Muhammad F. I. Chowdhury, Marc Moreno Maza, Wei Pan, and Éric Schost. Complexity and performance results for non FFT-based univariate polynomial multiplication. *ACM Communications in Computer Algebra*, 44(3):99–100, September 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Collins:1974:SSP**
- [CMR74] G. E. Collins, D. R. Musser, and M. Rothstein. SAC-1 solution of problem #7. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 8(2):17–19, May 1974. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Corless:2014:ZFF**
- [CMT14] Robert M. Corless, Marc Moreno Maza, and Steven E. Thornton. Zigzag form over families of parametric matrices. *ACM Communications in Computer Algebra*, 48(3/4):109–112, September 2014. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).

- Chen:2010:CCM**
- [CMX10] Changno Chen, Marc Moreno Maza, and Yuzhen Xie. Cache complexity and multicore implementation for univariate real root isolation. *ACM Communications in Computer Algebra*, 44(3):97–98, September 2010. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Cohen:1974:PCG**
- [Coh74] H. Ian Cohen. A perturbation calculation in general relativity. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 8(3):78–79, August 1974. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Collins:1969:AAS**
- [Col69] G. E. Collins. Algorithmic approaches to symbolic integration and simplification: summary of the panel session sponsored by SIGSAM at the FJCC in San Francisco, December 10, 1968. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, ??(12):5–16, July 1969. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Collins:1974:QER**
- [Col74] George E. Collins. Quantifier elimination for real closed fields by cylindrical algebraic decomposition—preliminary report. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 8(3):80–90, August 1974. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Conti:1990:HCF**
- [Con90] Pasqualina Conti. Hermite canonical form and Smith canonical form of a matrix over a principal ideal domain. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 24(3):8–16, July 1990. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Cooperman:1993:LID**
- [Coo93] Gene Cooperman. Letter from the information director. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 27(3):3–??, September 1993. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Cooperman:1996:IBM**
- [Coo96a] Gene Cooperman. ISSAC business meeting minutes. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 30(4):2–3, December 1996. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Cooperman:1996:SBM**
- [Coo96b] Gene Cooperman. SIGSAM business meeting minutes. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 30(4):2–3, December 1996. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

- Interest Group on Symbolic and Algebraic Manipulation), 30(4):1–2, December 1996. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).*
- Cooperman:1997:FEC**
- [Coo97] G. Cooperman. The Fourther East Coast Computer Algebra Day: a one day meeting to stimulate activity in computer algebra. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(1):29, March 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Cooperman:2004:TCP**
- [Coo04] Gene Cooperman. The TOP-C parallel model and symbolic algebra. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 38(1):16–17, March 2004. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Corless:1993:WSO**
- [Cor93] Robert M. Corless. What is a solution of an ODE? *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 27(4):15–19, December 1993. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Corless:1996:ABD**
- [Cor96a] R. M. Corless. Abell and Braselton's *Differential Equa-*
- [Cor96b] [Cor96c] [Cor96d] [Cor96e]
- tions with Maple V. SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 30(1):57–60, March 1996. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Corless:1996:MEA**
- R. M. Corless. Message from the Editor. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 30(1):2–3, March 1996. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Corless:1996:CI**
- Robert M. Corless. Cofactor iteration. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 30(1):34–38, March 1996. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Corless:1996:ECG**
- Robert M. Corless. Editor's corner: Gröbner bases and matrix eigenproblems. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 30(4):26–32, December 1996. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Corless:1996:MEb**
- Robert M. Corless. Message from the Editor. *SIGSAM*

- Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 30(2):1, June 1996. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Corless:1996:ME**
- [Cor96f] Robert M. Corless. Message from the Editor. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 30(3):1, September 1996. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Corless:1997:MEA**
- [Cor97a] R. M. Corless. Message from the Editor. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(1):1, March 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Corless:1997:MEB**
- [Cor97b] Robert M. Corless. Message from the Editor. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(3):1, September 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Corless:1998:MEb**
- [Cor98a] Rob Corless. Message from the Editor. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 32(4):1, December 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Corless:1998:EM**
- [Cor98b] Robert M. Corless. Editor's message. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 32(3):1, September 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Corless:1998:MEA**
- [Cor98c] Robert M. Corless. Message from the Editor. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 32(2):1-2, June 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Corless:1999:OPC**
- [Cor99a] R. M. Corless. Open problems in computer algebra. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(3):15, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Corless:1999:MOE**
- [Cor99b] Rob Corless. Message from the outgoing Editor and SIGSAM Chair. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(2):1-2, June 1999. CODEN SIGSBZ. ISSN 0163-

- 5824 (print), 1557-9492 (electronic).
- Corless:2000:ESM**
- [Cor00] Robert M. Corless. An elementary solution of a minimax problem arising in algorithms for automatic mesh selection. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 34(4):7–15, December 2000. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Corless:2001:MSC**
- [Cor01a] Robert M. Corless. Message from the SIGSAM Chair. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 35(1):1–2, March 2001. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Corless:2001:RMC**
- [Cor01b] Robert M. Corless. Review of *Modern Computer Algebra*, by Joachim von zu Gathen and Jügen Gerhard. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 35(1):8–13, March 2001. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Corless:2002:MSC**
- [Cor02] Robert M. Corless. Message from the SIGSAM Chair.
- SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 36(1):1–2, March 2002. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Coutsias:2015:BFO**
- [Cou15] Evangelos A. Coutsias. Bricard flexible octahedra and the canonical cyclohexane. *ACM Communications in Computer Algebra*, 49(2):56, June 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Caviness:1978:NAI**
- [CP78] B. F. Caviness and M. J. Prelle. A note on algebraic independence of logarithmic and exponential constants. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 12(2):18–20, May 1978. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Cattaneo:1988:NPI**
- [CP88] G. M. Piacentini Cattaneo and M. Pittaluga. Nonassociative polynomial identities, Young tableaux and computers. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 22(2):17–26, April 1988. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

- Cha:2012:CFS**
- [CP12] Yongjae Cha and Veronika Pillwein. Closed form solutions of linear difference equations in terms of symmetric products. *ACM Communications in Computer Algebra*, 46(3–4):80–81, September 2012. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Corless:2011:RCA**
- [CPS11] Robert Corless, Erik Postma, and David R. Stoutemyer. Rounding coefficients and artificially underflowing terms in non-numeric expressions. *ACM Communications in Computer Algebra*, 45(1):17–48, March 2011. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Cannon:1984:CTG**
- [CR84] John J. Cannon and Jim Richardson. Cayley: teaching group theory by computer. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 18–19(4–1):15–18, November/February 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Cuyt:2009:SNS**
- [CsL09] Annie Cuyt and Wen shin Lee. Symbolic-numeric sparse interpolation of multivariate rational functions. *ACM Communications in Computer Algebra*, 43(3):79–80, September 2009. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Cuyt:2010:RST**
- [CsL10] Annie Cuyt and Wen shin Lee. Reconstructing sparse trigonometric functions. *ACM Communications in Computer Algebra*, 44(3):101–102, September 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Cheb-Terrab:1999:SCI**
- [CTKR99] Edgardo S. Cheb-Terrab, Theodore Kolokolnikov, and Austin D. Roche. The search for and classification of integrable Abel ODE classes. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(3):23–24, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Cha:2010:AOS**
- [CsL08] Annie Cuyt and Wen shin Lee. Sparse multivariate polynomial interpolation via the quotient-difference algorithm. *ACM Communications in Computer Algebra*, 42(3):154–155, September 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- CvHL10a**
- [CvHL10a] Yongjae Cha, Mark van Hoeij, and Giles Levy. Abstract only: Solving linear recurrence relations. *ACM Communications in Computer Algebra*, 44(2):

- 26, June 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Cha:2010:SLR**
- [CvHL10b] Yongjae Cha, Mark van Hoeij, and Giles Levy. Solving linear recurrence equations. *ACM Communications in Computer Algebra*, 44(4):183–185, December 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Cheatham:1972:LSA**
- [CW72] T. E. Cheatham, Jr. and Ben Wegbreit. A laboratory for the study of automating programming. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, ??(21):8–26, January 1972. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Corless:1998:RSM**
- [CW98] Robert M. Corless and Stephen M. Watt. Report on the SNAP minisymposium at SIAM ’98. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 32(2):35–37, June 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Chen:2012:GID**
- [CWZ12] Xiaoyu Chen, Dongming Wang, and Ting Zhao. GeoText: an intelligent dynamic geometry textbook. *ACM Communications in Computer Algebra*, 46(3–4):171–175, September 2012. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Chen:2008:WMI**
- [CX08] William Y. C. Chen and Ernest X. W. Xia. The q -WZ method for infinite sums (abstract only). *ACM Communications in Computer Algebra*, 42(1–2):19, March/June 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- DAndrea:2015:RAS**
- [D'A15] Carlos D’Andrea. The Rees algebra of some monomial parametrizations. *ACM Communications in Computer Algebra*, 49(2):52–53, June 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Dahan:2012:SLG**
- [Dah12] Xavier Dahan. On the structure of lexicographic Gröbner bases in dimension zero. *ACM Communications in Computer Algebra*, 46(3–4):82–83, September 2012. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Daley:2001:RQC**
- [Dal01] Mark Daley. Review of *Quantum Computing and Quantum Information*, by Michael A. Nielson and Issac L. Chuang. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 35(1):14–15, March 2001.

- CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Daly:2002:AOS**
- [Dal02] Tim Daly. Axiom as open source. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 36(1):28, March 2002. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Davenport:1979:AI**
- [Dav79] J. H. Davenport. Anatomy of an integral. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 13(4):16–18, November 1979. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Davenport:1982:FRT**
- [Dav82a] James H. Davenport. Fast REDUCE: The trade-off between efficiency and generality. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 16(1):8–11, February 1982. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Davenport:1982:PRA**
- [Dav82b] James H. Davenport. On the parallel Risch algorithm (III): use of tangents. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 16(3):3–6, August 1982. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- [Dav82c] James H. Davenport. What do we want from a high-level language? *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 16(4):6–9, 23, November 1982. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Davenport:1983:CC**
- [Dav83] James H. Davenport. Chairman’s column. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 17(2):1–5, May 1983. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Davenport:1984:IFT**
- [Dav84] James Davenport. Integration in finite terms. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 18(2):20–21, May 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Davenport:1986:PMP**
- [Dav86] J. H. Davenport. A “piano movers” problem. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 20(1–2):15–17, February/May 1986. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

- 5824 (print), 1557-9492 (electronic).
- Davenport:2000:WOC**
- [Dav00a] James H. Davenport. On writing OpenMath content dictionaries. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 34(2):12–15, June 2000. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). [dCS99]
- Davenport:2000:SOT**
- [Dav00b] James H. Davenport. A small OpenMath type system. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 34(2):16–21, June 2000. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). [dCW09]
- Davison:2003:BRR**
- [Dav03] Matt Davison. Book review: Review of risk management: value at risk and beyond, edited by M.A.H. Dempster. Cambridge University Press 2002. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 37(1):28–29, March 2003. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). [DD99]
- Davenport:2012:SAS**
- [Dav12] James H. Davenport. Small algorithms for small systems. *ACM Communications in Computer Algebra*, 46(1–2):1–9, March/June 2012. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic). [DDK⁺11]
- deCastilla:1999:INB**
- I. Ojeda Martínez de Castilla and R. Piedra Sánchez. Index of nilpotency of binomial ideals. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(3):18, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- deCabezon:2009:EAA**
- Eduardo Sáenz de Cabezón and Henry P. Wynn. Efficient algorithms for the algebraic analysis of system reliability. *ACM Communications in Computer Algebra*, 43(3):98–99, September 2009. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- DAndrea:1999:BFM**
- C. D’Andrea and A. Dickenstein. Bezoutian formulas à la Macaulay for the multivariate resultant. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(3):15, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- DeLoera:2011:SEI**
- J. A. De Loera, B. Dutra, M. Köppe, S. Moreinis, G. Pinto, and J. Wu.

- [De 99] David De Wit. Automatic construction of an R Matrix. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(3):25, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- DeWit:1999:ACR**
- [Dec14] Wolfram Decker. Review of “Numerically Solving Polynomial Systems with Bertini” by Daniel J. Bates, Jonathan D. Hauenstein, Andrew J. Sommese, and Charles W. Wampler. *ACM Communications in Computer Algebra*, 48 (2):57–58, March 2014. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic). See reviewed book [Bat13].
- Decker:2014:RNS**
- [Dem12] Max Demenkov. Estimating region of attraction for polynomial vector fields by homotopy methods. *ACM Communications in Computer Algebra*, 46 (3–4):84–85, September 2012. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Demenkov:2012:ERA**
- [Dew00a] Mike Dewar. OpenMath: An overview. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 34(2):2–5, June 2000. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Dewar:2000:OO**
- [Dew00b] Mike Dewar. Special issue on OpenMath: Message from the Guest Editor. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 34(2):1, June 2000. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Dewar:2000:SIO**
- [DGK04] Akshay Degwekar, Kenza Guenda, and T. Aaron Gulliver. Extending construction X for quantum error-correcting codes. *ACM Communications in Computer Algebra*, 49(1):18, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Degwekar:2015:ECX**
- [Dhooge:2004:MMP] A. Dhooge, W. Govaerts, and Yu. A. Kuznetsov. MATCONT: a Matlab package for numerical bifurcation analysis of ODEs. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 38(1):21–22, March 2004. CODEN SIGSBZ. ISSN 0163-
- Dhooge:2004:MMP**

- 5824 (print), 1557-9492 (electronic).
- Delgado:2016:NGP**
- [DGS16] M. Delgado and P. A. García-Sánchez. *numericalsgps*, a GAP package for numerical semigroups. *ACM Communications in Computer Algebra*, 50(1):12–24, March 2016. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- DeBeule:2004:SMB**
- [DHS04] J. De Beule, A. Hoogewijs, and L. Storme. On the size of minimal blocking sets of $Q(4; q)$, for $q = 5, 7$. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 38(3):67–84, September 2004. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- diScala:1982:SPB**
- [di 82] R.-M. di Scala. SYPAC: a Pascal based computer algebra system for micro-computers. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 16(3):7–10, August 1982. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Dockx:1991:CTC**
- [DI91] Kris Dockx and Paul Igodt. Character tables and commutativity of normal subgroups. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 25(1):28–31, January 1991. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Dimino:1971:GAC**
- [Dim71] Lucien A. Dimino. A graphical approach to coset enumeration. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, ??(19):8–43, July 1971. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Ding:2009:NSC**
- [Din09] Hui Ding. Numerical and symbolic computation of the Lambert W function in $C^{n \times n}$. *ACM Communications in Computer Algebra*, 43(4):121, December 2009. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Dirat:2000:JSC**
- [Dir00] Laurent Dirat. JOME, a software component for interactive and distributed mathematics. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 34(2):38–42, June 2000. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Drevet:2010:OTS**
- [DIS10] Charles Éric Drevet, Md. Nazrul Islam, and Éric Schost. Optimization techniques for small matrix multiplication. *ACM*

- Communications in Computer Algebra*, 44(3):107–108, September 2010. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Davenport:1981:M**
- [DJ81] James H. Davenport and Richard D. Jenks. MODLISP. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 15(1):11–20, February 1981. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Dora:1996:RRC**
- [DJ96] J. Della Dora and F. Jung. Resolvent and rational canonical forms of matrices. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 30(3):4–10, September 1996. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Decker:1998:PRR**
- [DK98] Thomas Decker and Werner Krandick. Parallel real root isolation: poster abstract. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 32(2):53–54, June 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). Abstract only.
- Dooley:1996:E**
- [DL96] S. Dooley and A. Lobo. ECA-CAD '96. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 30(1):39–49, March 1996. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Duchamp:2012:DFE**
- Gáérd H. E. Duchamp and Vincel Hoang Ngoc Minh. Dual families in enveloping algebras. *ACM Communications in Computer Algebra*, 46(3–4):86–87, September 2012. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Dali:2015:LSC**
- [DM15] Dahira Dali and Jugurta Mahrez. Local stability of cubic differential systems. *ACM Communications in Computer Algebra*, 49(1):29, March 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Duck:2015:DCG**
- [DMCMM15] Natalia Duck, Irene Márquez-Corbella, and Edgar Martínez-Moro. The degree compatible Gröbner fan for linear codes. *ACM Communications in Computer Algebra*, 49(1):18–19, March 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Duchamp:2015:HSP**
- [DMH15] Gérard H. E. Duchamp, Hoang Ngoc Minh, and Ngo Quoc Hoan. Harmonic sums and polylogarithms at negative multi-indices. *ACM Communications in Computer Algebra*, 49(1):20, March 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).

- in Computer Algebra*, 49(3):70–73, September 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Duparc:2002:WOS**
- [DMP⁺02] Daniel Duparc, Bernard Mourrain, Bernard Parisse, Fabrice Rouillier, Marie-Françoise Roy, Nicolas Thiéry, and Paul Zimmermann. Workshop on Open Source Computer Algebra, Tuesday 21st – Thursday 23rd of May 2002, Lyon, France. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 36(1):24–27, March 2002. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Dahan:2010:ALT**
- [DMSP10] Xavier Dahan, Marc Moreno Maza, Éric Schost, and Adrien Poteaux. Almost linear time operations with triangular sets. *ACM Communications in Computer Algebra*, 44(3):103–104, September 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Dedieu:1990:SVD**
- [DN90] J. P. Dedieu and G. Norton. Stewart varieties: a direct algebraic model for Stewart platforms. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 24(4):42–59, October 1990. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- deOlazabal:1999:UMD**
- [dO99] J. M. de Olazábal. Unified method for determining canonical forms of a matrix. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(1):6–20, March 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Doerksen:2008:GCS**
- [Doe08] Kevin Doerksen. Genus 2 curves with split Jacobians (abstract only). *ACM Communications in Computer Algebra*, 42(1–2):49–50, March/June 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Dongyue:1983:SMF**
- [Don83] Chen Dongyue. Symbol manipulation and formula manipulation. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 17(2):26–27, May 1983. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Dooley:1999:IJS**
- [Doo99] Sam Dooley, editor. *ISSAC 99: July 29–31, 1999, Simon Fraser University, Vancouver, BC, Canada: proceedings of the 1999 International Symposium on Symbolic and Algebraic Computation*. ACM Press, New York, NY, USA, 1999. ISBN 1-58113-073-2. LCCN QA76.95.I57 1999.

- Dousson:1999:EHC**
- [Dou99] Xavier Dousson. Effective homology of a classifying space. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(3):2–9, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Dana-Picard:2015:RPP**
- [DP15] Thierry N. Dana-Picard. Review of “Pavel Pech: Selected topics in geometry with classical vs. computer proving”, World Scientific 2007 ISBN-10: 981-270-942-8, ISBN-13: 978-981-270-942-4. *ACM Communications in Computer Algebra*, 49(2):65–66, June 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Dukkipati:2015:GBR**
- [DPFD15] Ambedkar Dukkipati, Nithish Pai, Maria Francis, and Abhishek Dubey. On Gröbner bases over rings and residue class polynomial rings with torsion. *ACM Communications in Computer Algebra*, 49(2):60–61, June 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- DeFeo:2015:DRF**
- [DPQ15] Luca De Feo, Christophe Petit, and Michaël Quisquater. Deterministic root finding in finite fields. *ACM Communications in Computer Algebra*, 49(3):87–89, September 2015. CODEN
- [dQ77a]
- ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- deQueiroz:1977:UFM**
- F. Teixeira de Queiroz. The use of formula manipulation systems to compute asymptotic expansions. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 11–12(4–1):11–15, November and February 1977. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- deQueroz:1977:UFM**
- F. T. de Queroz. The use of formula manipulation systems to compute asymptotic expansions. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 11–12(4–1):11–16, November and February 1977. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- deQueiroz:1978:ATA**
- F. Teixeira de Queiroz. Advanced tests for algorithms of differentiation. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 12(4):19–22, August 1978. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- dosSantos:1990:DEH**
- R. P. dos Santos and W. L. Roque. On the design of an
- [dQ77b]
- [dQ78]
- [dR90]

- expert help system for computer algebra systems. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 24(4): 22–25, October 1990. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Dambacher:2001:GRC**
- [DR01] Jeffrey M. Dambacher and Philippe A. Rossignol. The golden rule of complementary feedback. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 35(4):1–9, December 2001. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Dolzmann:1997:RCA**
- [DS97] Andreas Dolzmann and Thomas Sturm. REDLOG: Computer algebra meets computer logic. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(2):2–9, June 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- DeFeo:2010:TLAa**
- [DS10a] Luca De Feo and Eric Schost. *transalpyne*: a language for automatic transposition. *ACM Communications in Computer Algebra*, 44(2):59–71, June 2010. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- DeFeo:2010:TLAb**
- [DS10b] Luca De Feo and Éric Schost. *transalpyne*: a language for automatic transposition. *ACM Communications in Computer Algebra*, 44(3):105–106, September 2010. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Dougherty:2015:CLR**
- [DS15] Steven T. Dougherty and Esengül Salturk. Codes over local rings of order 16 and their gray maps. *ACM Communications in Computer Algebra*, 49(1):14, March 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Dimitrova:2008:AGF**
- [DSJL08] Elena S. Dimitrova, Brandilyn Stigler, Abdul Salam Jarrah, and Reinhard Laubenbacher. Applications of the Gröbner fan to gene network reconstruction (abstract only). *ACM Communications in Computer Algebra*, 42(1–2):69, March/June 2008. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Dahan:2005:CDP**
- [DSM⁺05] X. Dahan, É. Schost, M. Moreno Maza, W. Wu, and Y. Xie. On the complexity of the D5 principle. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 39(3):97–98, 2005. CODEN SIGSBZ. ISSN 0163-5824

- (print), 1557-9492 (electronic). ISSNAC 2005 poster abstract.
- Dougherty:2015:CRO**
- [DSS15] Steven Dougherty, Esengül Saltürk, and Steve Szabo. Codes over rings of order 16. *ACM Communications in Computer Algebra*, 49(1):15, March 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- deTrias:1984:NGS**
- [dT84] Regina Llopis de Trias. A new generation of symbolic and algebraic computation systems. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 18(2):12–14, May 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Dujella:2008:VWA**
- [Duj08] Andrej Dujella. A variant of Wiener’s attack on RSA with small secret exponent. *ACM Communications in Computer Algebra*, 42(1–2):50–51, March/June 2008. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Durcheva:2015:SAI**
- [Dur15] Mariana Durcheva. Some applications of idempotent semirings in public key cryptography. *ACM Communications in Computer Algebra*, 49(1):19, March 2015. CODEN ????
- DX07**
- [EB70] Harry Eisenpress and Abel Bomberault. Practical symbolic differentiation of large expressions using PL/I Formac. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, ??(14):36–61, January 1970. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Eisenpress:1970:PSD**
- [Ebe83] G. L. Ebert. Some comments on the modular approach to Gröbner-bases. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 17(2):28–32, May 1983. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Ebert:1983:SCM**
- [Ebe06] Wayne Eberly. Letter from the Treasurer. *ACM Communications in Computer Algebra*, 40(1):1, March 2006. CODEN ????
- Dumitrescu:2007:QAD**
- [Dum07] Adrian Dumitrescu and Guangwu Xu. On a query algorithm for a divisibility problem. *ACM Communications in Computer Algebra*, 41(4):122–124, December 2007. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Eberly:2006:LT**

- ???? ISSN 1932-2232 (print),
1932-2240 (electronic).
- Ebersole:2008:PBI**
- [Ebe08] Caroline Ebersole. The population biology of infectious diseases (abstract only). *ACM Communications in Computer Algebra*, 42(1–2):70, March/June 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Ebner:1986:GCL**
- [Ebn86] Dieter W. Ebner. GOEDEL: a computer language for symbolic algebraic calculations — an introduction by examples. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 20(3): 16–19, September 1986. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- England:2014:BCM**
- [ECTB⁺14] M. England, E. Cheb-Terrab, R. Bradford, J. H. Davenport, and D. Wilson. Branch cuts in Maple 17. *ACM Communications in Computer Algebra*, 48 (1):24–27, March 2014. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Eder:2013:IIS**
- [Ede13] Christian Eder. Improving incremental signature-based Gröbner basis algorithms. *ACM Communications in Computer Algebra*, 47(1–2): 1–13, March 2013. CODEN
- ???? ISSN 1932-2232 (print),
1932-2240 (electronic).
- Edoukou:2008:CDP**
- [Edo08] Frédéric A. B. Edoukou. Computing the 2-distribution of points on Hermitian surfaces (abstract only). *ACM Communications in Computer Algebra*, 42(1–2):52–53, March/June 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Essex:2000:NM**
- [EDS00] Christopher Essex, Matt Davison, and Christian Schulzky. Numerical monsters. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 34(4): 16–32, December 2000. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Eder:2015:SSB**
- [EF15] Christian Eder and Jean-Charles Faugère. A survey on signature-based Gröbner basis computations. *ACM Communications in Computer Algebra*, 49(2):61, June 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Emiris:1996:BPP**
- [EG96] I. Z. Emiris and A. Galligo. Bini and Pan’s polynomial and matrix computations. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 30(3):

- 21–23, September 1996. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Esparza:2009:LFP**
- [EGK09] Javier Esparza, Andreas Gaiser, and Stefan Kiefer. On least fixed points of systems of positive polynomials. *ACM Communications in Computer Algebra*, 43(3):81–83, September 2009. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Eder:2011:MFF**
- [EGP11] Christian Eder, Justin Gash, and John Perry. Modifying Faugère’s F5 algorithm to ensure termination. *ACM Communications in Computer Algebra*, 45(2):70–89, June 2011. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Egner:2001:ADI**
- [EJP⁺01] S. Egner, J. Johnson, D. Padua, M. Püschel, and J. Xiong. Automatic derivation and implementation of signal processing algorithms. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 35(2):1–19, June 2001. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Emiris:2012:SIU**
- [EK12] Ioannis Z. Emiris and Tatjana Kalinka. Sparse implicitization using support prediction. *ACM Communications in Computer Algebra*, 46(3–4):88–89, September 2012. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Egorychev:2001:ECA**
- [EL01] G. P. Egorychev and V. M. Levchuk. Enumeration in the Chevalley algorithm. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 35(2):20–34, June 2001. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Elezi:2015:QCE**
- [Ele15] A. Elezi. Quantum computing, error correcting quantum codes and algebraic curves. *ACM Communications in Computer Algebra*, 49(2):58, June 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Elkies:2008:CGM**
- [Elk08] Noam D. Elkies. Curves of genus 2 with many rational points via K3 surfaces (abstract only). *ACM Communications in Computer Algebra*, 42(1–2):53–55, March/June 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Emiris:1996:S**
- [Emi96] I. Emiris. SNAP ’96. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 30(1):62, March 1996. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

- | | |
|--|---|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">Emiris:2015:RWA</div> <p>[Emi15] Ioannis Emiris. Research workshop on algebraic representations in computer-aided design for complex shapes. <i>ACM Communications in Computer Algebra</i>, 49(4):134, December 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Emiris:2008:CRB</div> <p>[EMT08] Ioannis Emiris, Bernard Mourrain, and Elias Tsigaridas. Computing a rational in between. <i>ACM Communications in Computer Algebra</i>, 42(3):160–161, September 2008. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Encarnacion:1997:CPI</div> <p>[Enc97a] M. J. Encarnacion. Call for posters: ISSAC '97: International symposium on symbolic and algebraic computation. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 31(1):33, March 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Encarnacion:1997:IPA</div> <p>[Enc97b] M. J. Encarnación. ISSAC '97 poster abstracts. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 31(3):29–61, September 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">Engeli:1975:ESS</div> <p>[Eng75] Max Engeli. An enhanced SYMBAL system. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 9(4):21–29, November 1975. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Engeler:1987:GDC</div> <p>[Eng87] Erwin Engeler. Goals and design considerations for a mathematical laboratory. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 21(3):7–8, August 1987. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">England:2015:RIS</div> <p>[Eng15] Matthew England. Report on the 40th International Symposium on Symbolic and Algebraic Computation. <i>ACM Communications in Computer Algebra</i>, 49(3):69, September 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Erocal:2010:SFT</div> <p>[Erö10] Burçin Eröcal. Summation in finite terms using sage. <i>ACM Communications in Computer Algebra</i>, 44(4):190–193, December 2010. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).</p> |
|--|---|

- | | |
|---|--|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">Effenberger:2010:SGT</div> <p>[ES10a] Felix Effenberger and Jonathan Spreer. <code>simpcomp</code>: a GAP toolbox for simplicial complexes. <i>ACM Communications in Computer Algebra</i>, 44(4):186–189, December 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Erocal:2010:NCR</div> <p>[ES10b] Burçin Eröcal and Arne Storjohann. Nullspace computation over rational function fields for symbolic summation. <i>ACM Communications in Computer Algebra</i>, 44(3):109–110, September 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Effenberger:2011:SBD</div> <p>[ES11] Felix Effenberger and Jonathan Spreer. Simplicial blowups and discrete normal surfaces in <code>simpcomp</code>. <i>ACM Communications in Computer Algebra</i>, 45(3–4):173–176, September 2011. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Epitropakis:2005:RFA</div> <p>[EV05] M. G. Epitropakis and M. N. Vrahatis. Root finding and approximation approaches through neural networks. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 39(4):118–121, December 2005. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">Farmer:2004:MNI</div> <p>[Far04] William M. Farmer. MKM: a new interdisciplinary field of research. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 38(2):47–52, June 2004. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Farley:2015:SUR</div> <p>[Far15] Rosemary Carroll Farley. Student undergraduate research projects in linear algebra using a computer algebra system. <i>ACM Communications in Computer Algebra</i>, 49(2):50, June 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Fassino:2006:RMQ</div> <p>[Fas06] Claudia Fassino. A robust monomial quotient basis for approximate points. <i>ACM Communications in Computer Algebra</i>, 40(2):50–51, June 2006. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Fateman:1972:M</div> <p>[Fat72a] R. J. Fateman. MACSYMA. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, ??(24):12–13, October 1972. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> |
|---|--|

- | | |
|---|--|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">Fateman:1972:RSN</div> <p>[Fat72b] Richard J. Fateman. Rationally simplifying non-rational expressions. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, ??(23):8–9, July 1972. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Fateman:1973:RE</div> <p>[Fat73a] R. J. Fateman. Reply to an editorial. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, ??(25):9–11, March 1973. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Fateman:1973:CHI</div> <p>[Fat73b] Richard J. Fateman. A case history in interactive problem-solving. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, ??(28):30–32, December 1973. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Fateman:1976:FPS</div> <p>[Fat76] Richard J. Fateman. Final problem set excerpts. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 10(3):14, August 1976. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">Fateman:1978:LMD</div> <p>[Fat78] Richard J. Fateman. Is a LISP machine different from a FORTRAN machine? <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 12(3):8–11, August 1978. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Fateman:1981:SAC</div> <p>[Fat81] Richard J. Fateman. Symbolic and algebraic computer programming systems. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 15(1):21–32, February 1981. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Fateman:1984:MVF</div> <p>[Fat84] Richard J. Fateman. My view of the future of symbolic and algebraic computation. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 18(2):10–11, May 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Fateman:1985:CS</div> <p>[Fat85a] Richard J. Fateman. Comments on SMP. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 19(3):5–7, August 1985. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> |
|---|--|

- Fateman:1985:EPS**
- [Fat85b] Richard J. Fateman. Eleven proofs of $\sin^2 x + \cos^2 x = 1$. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 19(2):25–28, May 1985. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Fateman:1987:TOM**
- [Fat87] Richard J. Fateman. T_EX output from MACSYMA-like systems. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 21(4):1–5, November 1987. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Fateman:1990:LLM**
- [Fat90] Richard J. Fateman. A Lisp-language Mathematica-to-Lisp translator. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 24(2):19–21, April 1990. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Fateman:1996:WCA**
- [Fat96] Richard J. Fateman. Why computer algebra systems sometimes can't solve simple equations. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 30(2):8–11, June 1996. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- [Fat98] Richard J. Fateman. A short note on short differentiation programs in Lisp, and a comment on logarithmic differentiation. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 32(3):2–7, September 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Fateman:1999:SEN**
- [Fat99] Richard J. Fateman. Symbolic execution and NaNs: diagnostic tools for tracking scientific computation. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(3):25–26, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Fateman:2003:CSP**
- [Fat03a] Richard Fateman. Comparing the speed of programs for sparse polynomial multiplication. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 37(1):4–15, March 2003. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Fateman:2003:MCL**
- [Fat03b] Richard Fateman. Memory cache and Lisp: faster list pro-

- cessing via automatically re-arranging memory. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 37(4):109–116, December 2003. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Fateman:2014:ADL**
- [Fat14] Richard Fateman. Algorithm Differentiation in Lisp: ADIL. *ACM Communications in Computer Algebra*, 48(3/4):78–89, September 2014. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Fateman:2015:PAS**
- [Fat15] Richard Fateman. Partitioning of algebraic subexpressions in computer algebra systems: an alternative to matching with an application to symbolic integration. *ACM Communications in Computer Algebra*, 49(2):38–47, June 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Flodmark:1970:UCT**
- [FB70] Stig Flodmark and Esko Blokker. Use of computers in treating nonnumerical mathematics and group theoretical problems in physics. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, ??(15):28–63, July 1970. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Fee:1999:GLQ**
- [Fee99] Greg Fee. Gauss–Legendre quadrature. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(3):26, September 1999. CODEN SIGSBZ.
- Fateman:1988:CSS**
- Richard Fateman, Alan Bundy, Richard O’Keefe, and Leon Sterling. Commentary on: solving symbolic equations with PRESS. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 22(2):27–40, April 1988. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Fateman:1999:PTM**
- [FC99] Richard J. Fateman and Eylon Caspi. Parsing \TeX into mathematics. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(3):26, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Feng:2013:IPA**
- [FCW13] Yong Feng, Jingwei Chen, and Wenyuan Wu. Incremental PSLQ with application to algebraic number reconstruction. *ACM Communications in Computer Algebra*, 47(3–4):112–113, September 2013. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).

- ISSN 0163-5824 (print), 1557-9492 (electronic).
- Feldman:1975:ASC**
- [Fel75a] Stuart I. Feldman. An application of symbolic computation to crystal physics. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 9(2):19–24, May 1975. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Feldman:1975:BDA**
- [Fel75b] Stuart I. Feldman. A brief description of Altran. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 9(4):12–20, November 1975. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Felsch:1977:KIB**
- [Fel77] V. Felsch. A KWIC indexed bibliography on the use of computers in group theory and related topics. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 11–12(4–1):23–86, November and February 1977. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Fevre:1998:CRS**
- [Fèv98] Stéphane Fèvre. Completeness of a rewrite system for proving geometric theorems using Clifford algebra. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 32(2):30–34, June 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Fogelholm:1982:SLV**
- [FF82] Rabbe Fogelholm and Inge B. Frick. Standard LISP for the VAX: a provisional implementation. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 16(4):10–12, November 1982. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Fortuna:1999:SFD**
- [FG99] Elisabetta Fortuna and Patrizia Gianni. Square-free decomposition in finite characteristic: an application to Jordan form computation. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(4):14–32, December 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Feng:2003:PSF**
- [FG03] Ruyong Feng and Xiao-Shan Gao. Polynomial solutions for first order ODEs with constant coefficients. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 37(3):71–72, September 2003. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

- Faugare:2012:FCO**
- [FGHR12] Jean-Charles Faugère, Pierrick Gaudry, Louise Huot, and Guénaël Renault. Fast change of ordering with exponent ω . *ACM Communications in Computer Algebra*, 46(3–4): 92–93, September 2012. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Fioravanti:2015:CTA**
- [FGVC15] Mario Fioravanti, Laureano Gonzalez-Vega, and Jorge Caravantes. Computing the topology of an arrangement of parametric or implicit algebraic curves in the Lagrange basis. *ACM Communications in Computer Algebra*, 49(2): 53, June 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Fateman:1996:SLB**
- [FH96] Richard J. Fateman and Mark Hayden. Speeding up Lisp-based symbolic mathematics. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 30(1):25–30, March 1996. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Fukasaku:2016:CSR**
- [FIS16] Ryoya Fukasaku, Hidenao Iwane, and Yosuke Sato. CGSQE/SyNRAC: a real quantifier elimination package based on the computation of comprehensive Gröbner systems. *ACM Communications in Computer Algebra*, 50(3):101–104, September 2016. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Fitch:1973:PRM**
- [Fit73] John Fitch. Problems #3 and #4 in REDUCE and MACSYMA. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, ??(28):10–11, December 1973. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Fitch:1974:PRW**
- [Fit74a] John Fitch. Problem #8: random walk. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 8(4):11, November 1974. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Fitch:1974:SMT**
- [Fit74b] John Fitch. A simple method of taking n th roots of integers. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 8(4):26, November 1974. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Fitch:1974:SPU**
- [Fit74c] John Fitch. A solution of problem #3 using CAMAL. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 8(4):

- 14–25, November 1974. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Fitch:1975:CN**
- [Fit75] John Fitch. Course notes. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 9(3):4–8, August 1975. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Fitch:2012:JG**
- [Fit12] John Fitch. James Griesmer 1929–2011. *ACM Communications in Computer Algebra*, 46(1–2):10–11, March/June 2012. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Fateman:1991:SDP**
- [FL91] Richard J. Fateman and Derek T. Lai. A simple display package for polynomials and rational functions in Common Lisp. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 25(4):1–3, October 1991. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Flaherty:1988:SME**
- [Fla88] Terry Flaherty. Symbolic manipulation in an extended λ -calculus. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 22(1):21–24, January 1988. CODEN SIGSBZ.
- [FM97a]
- ISSN 0163-5824 (print), 1557-9492 (electronic).
- Fee:1997:PPCa**
- G. J. Fee and M. B. Monagan. Problems, puzzles, challenges. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(1):22–23, March 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Fee:1997:PPCb**
- G. J. Fee and M. B. Monagan. Problems, puzzles, challenges. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(4):48–49, December 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Fateman:1974:SPU**
- [FMW74] R. Fateman, J. Moses, and P. Wang. Solution to problem #7 using MACSYMA. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 8(2):14–16, May 1974. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Fitch:1973:ICD**
- [FN73] John Fitch and Arthur Norman. An idea for comparing data structures. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Al-*

- gebraic Manipulation*), ??(27): 17–18, September 1973. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Fitch:1975:DSL**
- [FN75] John Fitch and Arthur Norman. Double by single length division. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 9(2):7, May 1975. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Fontein:2008:AIU**
- [Fon08] Felix Fontein. Abstract infrastructures of unit rank two (abstract only). *ACM Communications in Computer Algebra*, 42(1–2):55–56, March/June 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Fateman:1989:SDS**
- [FP89] R. J. Fateman and C. G. Ponder. Speed and data structures in computer algebra systems. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 23(2):8–11, April 1989. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Frauenthal:1980:CAM**
- [Fra80] James C. Frauenthal. Change in applied mathematics is revolutionary. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 14(2):23, May 1980. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Freitag:2015:BSF**
- [Fre15] James Freitag. Bounding the size of a finite differential algebraic variety. *ACM Communications in Computer Algebra*, 49(1):23–24, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Friedman:1970:FIK**
- [Fri70] Joyce Friedman. Fortran implementation of the Kay context-free parser. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, ??(16):19–45, October 1970. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Frick:1974:NNC**
- [Fri74] I. Frick. A non-numerical computation involving sums of many products of finite rotation matrices for spin 3/2. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 8(3):76–77, August 1974. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Flajolet:1997:SCS**
- [FS97] Philippe Flajolet and Bruno Salvy. The SIGSAM challenges: symbolic asymptotics in practice. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(2):1–10, June 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

- (*ACM Special Interest Group on Symbolic and Algebraic Manipulation*), 31(4):36–47, December 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Franz:2002:UCA**
- [FSH02] Astrid Franz, Christian Schulzky, and Karl Heinz Hoffmann. Using computer algebra methods to determine the chemical dimension of finitely ramified Sierpinski carpets. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 36(2):18–30, June 2002. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Faugere:2015:SGB**
- [FSS15] Jean-Charles Faugère, Pierre-Jean Spaenlehauer, and Jules Svartz. Sparse Gröbner bases: algorithms and complexity. *ACM Communications in Computer Algebra*, 49(2):61–62, June 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Fassino:2012:ZDI**
- [FT12] C. Fassino and M. Torrente. Zero-dimensional ideals of limited precision points. *ACM Communications in Computer Algebra*, 46(3–4):90–91, September 2012. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- [FT13]
- Efi Fogel and Monique Teillaud. The Computational Geometry Algorithms Library CGAL. *ACM Communications in Computer Algebra*, 47(3–4):85–87, September 2013. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Fogel:2013:CGA**
- [FT15]
- Efi Fogel and Monique Teillaud. The computational geometry algorithms library CGAL. *ACM Communications in Computer Algebra*, 49(1):10–12, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Fogel:2015:CGA**
- [Fuc08]
- Benno Fuchssteiner. Modified Gauss algorithm for matrices with symbolic entries. *ACM Communications in Computer Algebra*, 42(3):108–121, September 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Fuchssteiner:2008:MGA**
- [FvH10]
- Tingting Fang and Mark van Hoeij. Abstract only: Solving linear differential equations by using descent. *ACM Communications in Computer Algebra*, 44(2):26, June 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Fang:2010:AOS**
- [Gae99]
- F. Gaeta. New non recursive formulas for irreducible repre-
- Gaeta:1999:NNR**

- [Gat85] Barbara L. Gates. GENTRAN: an automatic code generation facility for REDUCE. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(3):15, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Gakhov:1979:RCI**
- [Gak79] F. D. Gakhov. Review of “Calculus of Integrals of Higher Transcendental Functions (The Theory and Tables of Formulas), by O. I. Marichev”, Minsk, Nauka i Tekhnika, 1978. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 13(3):7, August 1979. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Galetto:2015:ADA**
- [Gal15] Federico Galetto. An algorithm for determining actions of semisimple Lie groups on free resolutions. *ACM Communications in Computer Algebra*, 49(2):59, June 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Gao:2015:BDI**
- [Gao15] Xiao-Shan Gao. Binomial difference ideal and toric difference variety. *ACM Communications in Computer Algebra*, 49(1):24, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Gates:1985:GAC**
- [Barbara L. Gates. GENTRAN: an automatic code generation facility for REDUCE. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 19(3):24–42, August 1985. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).]
- Gawlik:1977:FDM**
- [H. J. Gawlik. The further development of MIRA. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 11(2):22–28, May 1977. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).]
- Gawlik:1979:COL**
- [H. James Gawlik. Comments on the open letter from Fate-man to Veltman. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 13(1):14–15, February 1979. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).]
- Gerdt:1997:MIB**
- [Vladimir P. Gerdt and Yuri A. Blinkov. Minimal involutive bases. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(3):44, September 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). Poster abstract only.]

- Gonnet:1983:SGS**
- [GCG83] Gaston H. Gonnet, Bruce W. Char, and Keith O. Geddes. Solution of a general system of equations (problem). *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 17(3–4): 48–49, August/November 1983. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Geddes:1999:GNO**
- [Ged99] K. O. Geddes. Generating numerical ODE formulas via a symbolic calculus of divided differences. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(2):29–42, June 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Gentleman:1971:OMC**
- [Gen71] W. Morven Gentleman. Optimal multiplication chains for computing a power of a symbolic polynomial. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, ??(18): 23–30, April 1971. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Gentleman:1974:ETP**
- [Gen74] W. Morven Gentleman. Experience with truncated power series. *SIGSAM Bulletin (ACM Special Interest Group on Sym-*
- bolic and Algebraic Manipulation)*, 8(3):61–62, August 1974. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Gentle:1999:CGC**
- [Gen99] Cassidy Gentle. Computing greatest common divisors of polynomial matrices. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(3): 26–27, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Gerdt:1998:ISL**
- [Ger98] Vladimir P. Gerdt. Involutive systems of linear PDEs. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 32(2):55–56, June 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). Abstract only.
- Garcia:2015:UTM**
- [GGdR⁺15] Alfonsa García, Francisco García, Ángel Martín del Rey, Gerardo Rodríguez, and Agustín de la Villa. Using technology in mathematical courses: some possibilities. *ACM Communications in Computer Algebra*, 49(2): 49, June 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).

- Garcia-Garcia:1999:CIE**
- [GGSR99] J. I. García-García, P. A. García Sánchez, and J. C. Rosales. Commutative ideal extensions of Abelian groups. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(3):16, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Gao:2008:CSM**
- [GH08] Xiao-Shan Gao and Zhenyu Huang. A characteristic set method for equation solving over finite fields. *ACM Communications in Computer Algebra*, 42(3):149–150, September 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Gheffar:2010:LDD**
- [Ghe10] A. Gheffar. Linear differential, difference and q -difference homogeneous equations having no rational solutions. *ACM Communications in Computer Algebra*, 44(3):78–83, September 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Gheffar:2014:DNR**
- [Ghe14] Amal Gheffar. Detecting nonexistence of rational solutions of linear difference equations in early stages of computation. *ACM Communications in Computer Algebra*, 48(3/4):90–97, September 2014. CO-
- Giesbrecht:2015:FDD**
- [GHL15] Mark Giesbrecht, Albert Heinle, and Viktor Levandovskyy. On factoring differential and difference operators in n variables. *ACM Communications in Computer Algebra*, 49(1):33, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Gianni:1988:SAC**
- [Gia88] P. Gianni, editor. *Symbolic and algebraic computation: International Symposium ISSAC '88, Rome, Italy, July 4–8, 1988: Proceedings*, volume 358 of *Lecture notes in computer science*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1988. ISBN 0-387-51084-2. LCCN QA76.95 .I571 1988.
- Gianni:1989:SAC**
- [Gia89] P. (Patrizia) Gianni, editor. *Symbolic and algebraic computation: International Symposium ISSAC '88, Rome, Italy, July 4–8, 1988: proceedings*, volume 358 of *Lecture Notes in Computer Science*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1989. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

- Giesbrecht:1999:MEA**
- [Gie99a] Mark Giesbrecht. Message from the Editor. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(3):1, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Giesbrecht:1999:MEb**
- [Gie99b] Mark Giesbrecht. Message from the Editor. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(4):1, December 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Giesbrecht:1999:MIE**
- [Gie99c] Mark Giesbrecht. Message from the incoming Editor. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(2):2, June 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Giesbrecht:2008:MCP**
- [Gie08a] Mack Giesbrecht. The MICA 2008 Conference, preface and abstracts. *ACM Communications in Computer Algebra*, 42(1–2):92–102, March/June 2008. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Giesbrecht:2008:AKA**
- [Gie08b] Mark Giesbrecht. ACM 2007 Kanellakis Award honours
- Gimenez:2003:AES**
- [Gim03] Philippe Gimenez. Abstracts of the eighth Spanish meeting on computer algebra and applications: EACA-2002. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 37(1):16–27, March 2003. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Giusti:2001:AIS**
- [Giu01] M. Giusti. Announcement: International Symposium on Symbolic and Algebraic Computation. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 35(3):40, September 2001. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Griesmer:1974:SPL**
- [GJ74] James H. Griesmer and Richard D. Jenks. A solution to problem #4: the lie transform. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 8(4):12–13, November 1974. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

- Gerhard:2009:PSP**
- [GJM09] Jürgen Gerhard, D. J. Jeffrey, and Guillaume Moroz. A package for solving parametric polynomial systems. *ACM Communications in Computer Algebra*, 43(3):61–72, September 2009. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Griesmer:1975:SSP**
- [GJY75a] J. H. Griesmer, R. D. Jenks, and D. Y. Y. Yun. A SCRATCHPAD solution to problem #7. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 9(3):13–17, August 1975. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Griesmer:1975:FSS**
- [GJY75b] J. H. Griesmer, R. D. Jenks, and David Y. Y. Yun. A FORMAT statement in SCRATCHPAD. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 9(3):24–25, August 1975. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Griesmer:1978:TAC**
- [GJY78] J. H. Griesmer, R. D. Jenks, and D. Y. Y. Yun. A taxonomy for algebraic computation. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 12(3):25–28, August 1978. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Gebauer:1984:NSG**
- [GK84] R. Gebauer and H. Kredel. Note on “solution of a general system of equations”. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 18(3):5–6, August 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Gebauer:1985:RSS**
- [GK85] R. Gebauer and H. Kredel. Real solution system for algebraic equations. an algorithm system for constructing finite inclusions of zero sets of algebraic equations. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 19(2):2, May 1985. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Gregory:1988:ABC**
- [GK88] Brent Gregory and Erich Kaltofen. Analysis of the binary complexity of asymptotically fast algorithms for linear system solving. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 22(2):41–49, April 1988. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

- | | |
|--|---|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">Giesbrecht:2007:IPA</div> <p>[GKL07] Mark W. Giesbrecht, Ilias Kotsireas, and Austin Lobo. ISSAC 2007 poster abstracts. <i>ACM Communications in Computer Algebra</i>, 41(1–2):38–72, March–June 2007. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Gastineau:2010:TCA</div> <p>[GL10] Mickaël Gastineau and Jacques Laskar. TRIP: a computer algebra system dedicated to celestial mechanics and perturbation series. <i>ACM Communications in Computer Algebra</i>, 44(4):194–197, December 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Giorgi:2013:ROB</div> <p>[GL13] Pascal Giorgi and Romain Lebreton. Relaxing order basis computation. <i>ACM Communications in Computer Algebra</i>, 47(3–4):100–101, September 2013. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Glasby:1991:EGD</div> <p>[Gla91] S. P. Glasby. Extensions of groups defined by power-commutator presentations. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 25(1):32–35, January 1991. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">Gleyse:1986:SCN</div> <p>[Gle86] B. Gleyse. Symbolic computation and number of zeros of a real parameter polynomial in the unit disk. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 20(1–2):22–28, February/May 1986. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Gleibman:1992:SNP</div> <p>[Gle92] Andrew H. Gleibman. SAM-PLE: New programming technology and AI language. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 26(3):21–29, August 1992. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Gonzalez-Lopez:2000:GBS</div> <p>[GLGVTZ00] M.-J. Gonzalez-Lopez, L. Gonzalez-Vega, C. Traverso, and A. Zanoni. Gröbner bases specialization through Hilbert functions: The homogeneous case. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 34(1):1–8, March 2000. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Gloor:1998:IPI</div> <p>[Glo98a] Oliver Gloor, editor. <i>ISSAC 98: Proceedings of the 1998 International Symposium on Symbolic and Algebraic Computation</i>.</p> |
|--|---|

- tion, August 13–15, 1998, University of Rostock, Germany.* ACM Press, New York, NY, USA, 1998. ISBN 1-58113-002-3. LCCN QA155.7.E4 E88 1998.
- Glotov:1998:GCR**
- [Glo98b] Peter E. Glotov. On the greatest common right divisor of Ore polynomials with polynomial coefficients which depend on a parameter. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 32(2):57, June 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). Abstract only.
- Giesbrecht:1997:CIS**
- [GLS97] Mark Giesbrecht, Austin Lobo, and David Saunders. Certifying inconsistency of sparse linear systems. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(3):40, September 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). Poster abstract only.
- Gruntz:1994:IG**
- [GM94] D. Gruntz and M. Monagan. Introduction to Gauss. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 28(2):3–19, August 1994. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Guzide:2008:NAD**
- Osman Guzide, Kenneth May, James Getz, and Adam Edgeson. New algebraic design for better P2P features (abstract only). *ACM Communications in Computer Algebra*, 42(1–2):70–71, March/June 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Gianni:1987:SAC**
- P. Gianni, A. Miola, and T. Mora. Symbolic and algebraic computation research in Italy. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 21(2):8–15, February 1987. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Garcia-Morchon:2015:HCR**
- [GMRT⁺15] Oscar García-Morchón, Ronald Rietman, Ludo Tolhuizen, Domingo Gómez, and Jaime Gutiérrez. HIMMO: a collusion-resistant identity-based scheme for symmetric key generation. *ACM Communications in Computer Algebra*, 49(1):19, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Gobel:1993:UBA**
- Manfred Göbel. Using Buchberger's algorithm in invariant theory. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Ma-*

- nipulation)*, 27(4):3–9, December 1993. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Golden:1985:DUF**
- [Gol85] Jeffrey P. Golden. Differentiation of unknown functions in Macsyma. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 19(2):19–24, May 1985. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Gollan:1991:MRP**
- [Gol91] Holger W. Gollan. The 2-modular representation of J_1 in the principal block. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 25(1):36–39, January 1991. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Golubitsky:2006:CRP**
- [Gol06] Oleg Golubitsky. Construction of rankings on partial derivatives. *ACM Communications in Computer Algebra*, 40(2):38–42, June 2006. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Gonnet:1988:EMA**
- [Gon88] Gaston H. Gonnet. Examples of Maple applied to problems from the American Mathematical Monthly. *SIGSAM Bulletin (ACM Special Interest Group*
- on Symbolic and Algebraic Manipulation)*, 22(2):8–16, April 1988. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Gonnet:1989:PAI**
- Gaston H. Gonnet, editor. *Proceedings of the ACM-SIGSAM 1989 International Symposium on Symbolic and Algebraic Computation: ISSAC '89 / July 17–19, 1989, Portland, Oregon*. ACM Press, New York, NY, USA, 1989. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US\$29.00. ACM order number: 505890. English and French.
- Gordan:1998:NPH**
- Paul Gordan. A new proof of Hilbert’s theorem on homogeneous functions. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 32(2):47–48, June 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). Translation by Michael Abramson of the original German article *Neure Beweis des Hilbertschen Satzes über homogene Funktionen*. Nachr. der Königsl. Ges. der Wiss. zu Göttingen **3** (1899), 240–242.
- Gordan:1999:IBF**
- P. Gordan. Invariants of binary forms. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(2):1–10, June 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

- lution)*, 33(3):28–32, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). Translation by Michael Abramson of the article *Les invariants des formes binaires*, originally published in J. de Mathématiques Pures et Appliqués, 6, (1900), 141-156.
- Gosper:1998:S**
- [Gos98] R. William Gosper, Jr. The solutions of $ye^{y^2} = x$ and $ye^y = x$. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 32(1):8–10, March 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Greuel:1997:SCA**
- [GPS97] G.-M. Greuel, G. Pfister, and H. Schönemann. Singular 1.0: a computer algebra system for singularity theory, algebraic geometry and commutative algebra. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(3):48–50, September 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). Poster abstract only.
- Greuel:2008:SCA**
- [GPS08] G. M. Greuel, G. Pfister, and H. Schönemann. SINGULAR: a computer algebra system for polynomial computations. *ACM Communications in Computer Algebra*, 42(3):180–181, September 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Gutierrez:1999:SPT**
- J. Gutierrez and R. Rubio. Subfields in pure transcendental extensions. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(3):16, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Galbraith:2008:CPN**
- Steven Galbraith and Raminder S. Ruprai. Computing L -polynomials of non-hyperelliptic genus 4 and 5 curves (abstract only). *ACM Communications in Computer Algebra*, 42(1–2):56–57, March/June 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Groves:2016:SPF**
- A. Whitman Groves and Daniel S. Roche. Sparse polynomials in FLINT. *ACM Communications in Computer Algebra*, 50(3):105–108, September 2016. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Gray:1987:SCL**
- John W. Gray. The symbolic computation laboratory at UIUC. *SIGSAM Bulletin (ACM Special Interest Group*

- on Symbolic and Algebraic Manipulation),* 21(3):9–11, August 1987. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Grams:1991:SGR**
- [Gra91] Gerhard Grams. Special generators and relations for some orthogonal and symplectic groups over GF(2). *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 25(1):39–45, January 1991. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Graillat:2005:NNP**
- [Gra05] Stef Graillat. A note on a nearest polynomial with a given root. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 39(2):53–60, June 2005. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Greenawalt:1972:OFL**
- [Gre72] E. M. Greenawalt. An overlay facility for LISP programs. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, ??(21):27–31, January 1972. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Grenet:2015:LCB**
- [Gre15] Bruno Grenet. Lacunaryx: computing bounded-degree fac-
- tors of lacunary polynomials. *ACM Communications in Computer Algebra*, 49(4):121–124, December 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Griesmer:1976:SMC**
- James H. Griesmer. Symbolic mathematical computation — a survey. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 10(2):30–32, ????, 1976. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Griesmer:1979:SSC**
- James H. Griesmer. The state of symbolic computation. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 13(3):25–28, August 1979. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Grossman:1995:IIC**
- Robert Grossman. 1st International IMACS Conference on Applications of Computer Algebra. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 29(3–4):9–12, December 1995. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Grossman:1995:ME**
- Robert Grossman. Message from the Editor. *SIGSAM*

- Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 29(3–4):1, December 1995. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Grobner:1998:ET**
- [Grö98] W. Gröbner. On elimination theory. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 32(2):40–46, June 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). Translation by Michael Abramson of the original German article *Über die Eliminationstheorie*, Monatshefte für Mathematik 5 (1950), 71–78.
- Group:1999:CEM**
- [Gro99] Lemme Group. CtCoq: an environment for mathematical reasoning. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(3):21–22, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Grobner:2009:API**
- [Grö09] Wolfgang Gröbner. On the algebraic properties of integrals of linear differential equations with constant coefficients. *ACM Communications in Computer Algebra*, 43(2):24–46, June 2009. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- [GS95] [GS97]
- Grobner:2010:MIS**
- Wolfgang Gröbner. On the Macaulay inverse system and its importance for the theory of linear differential equations with constant coefficients. *ACM Communications in Computer Algebra*, 44(2):20–23, June 2010. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Giesbrecht:2010:AOC**
- Mark Giesbrecht, Daniel S. Roche, and Hrushikesh Tilak. Abstract only: Complexity of sparsest multiple computation. *ACM Communications in Computer Algebra*, 44(2):25, June 2010. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Garcia-Sanchez:1995:GIB**
- Pedro A. García-Sánchez. Gröbner and involutive bases for zero-dimensional ideals. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 29(2):12–15, April 1995. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Giesbrecht:1997:PLS**
- Mark Giesbrecht and David Saunders. Parametric linear systems: The two-parameter case. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(3):40, September

1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). Poster abstract only.
- Guo:2015:RBT**
- [GSGZ15] Li Guo, William Sit, Xing Gao, and Shanghua Zheng. Rota–Baxter type operators, rewriting systems and Gröbner–Shirshov bases. *ACM Communications in Computer Algebra*, 49(1):33, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Gomez-Torrecillas:2014:GII**
- [GTLN14] José Gómez-Torrecillas, F. J. Lobillo, and Gabriel Navarro. Generating idempotents in ideal codes. *ACM Communications in Computer Algebra*, 48(3/4):113–115, September 2014. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Gutierrez:2004:IJU**
- [Gut04] Jaime Gutierrez, editor. *ISAAC 2004: July 4–7, 2004, University of Cantabria, Santander, Spain: proceedings of the 2004 International Symposium on Symbolic and Algebraic Computation*. ACM Press, New York, NY, USA, 2004. ISBN 1-58113-827-X.
- Gutierrez:2015:RZH**
- [Gut15] J. Gutierrez. Recovering zeroes of hyperelliptic curves over finite fields. *ACM Communications in Computer Algebra*, 49(2):58, June 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Gonzalez-Vega:2004:RCC**
- Laureano González-Vega and Tomás Recio. Review of “Computational Commutative Algebra I” by Martin Kreuzer and Lorenzo Robbiano, Springer-Verlag, 2000, ISBN 3-540-67733-X. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 38(2):53–55, June 2004. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Gao:2005:IDM**
- Shuhong Gao and Mingfu Zhu. Irreducible decomposition of monomial ideals. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 39(3):99, 2005. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). ISSAC 2005 poster abstract.
- Gao:2005:GSP**
- Xiao-Shan Gao and Gui-Fang Zhang. 2D and 3D generalized Stewart Platforms. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 39(3):92–93, 2005. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). ISSAC 2005 poster abstract.

- | | |
|---|---|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">Gao:2008:IAI</div> <p>[GZ08] Shuhong Gao and Mingfu Zhu. An incremental algorithm for irreducible decompositions of monomial ideals (abstract only). <i>ACM Communications in Computer Algebra</i>, 42(1–2):70, March/June 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Hagen:1977:SP</div> <p>[Hag77] G. Tim Hagen. A simple problem. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 11(2):20–21, May 1977. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Hall:1974:FRE</div> <p>[Hal74] Andrew D. Hall, Jr. Factored rational expressions in ALTRAN. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 8(3):35–45, August 1974. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Hall:1975:ASP</div> <p>[Hal75] A. D. Hall. ALTRAN solution to problem #8. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 9(4):39–40, November 1975. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">Hamada:2014:MPC</div> <p>[Ham14] Tatsuyoshi Hamada. MathLibre: Personalizable computer environment for mathematical research. <i>ACM Communications in Computer Algebra</i>, 48(3/4):116–117, September 2014. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Harrington:1977:RSP</div> <p>[Har77] S. J. Harrington. REDUCE solution to problem #8. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 11–12(4–1):7–8, November and February 1977. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Harrington:1979:SLE</div> <p>[Har79] Steven J. Harrington. A symbolic limit evaluation program in REDUCE. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 13(1):27–31, February 1979. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Hare:2000:RCB</div> <p>[Har00] K. Hare. Rapid computation of Bernoulli and related numbers. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 34(1):18–19, March 2000. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> |
|---|---|

- | | |
|---|---|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">Hunt:1997:RPS</div> <p>[HC97] Kenny Hunt and James Cremer. Refiner: a problem solving environment for ODE/DAE simulations. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 31(3):42–43, September 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). Poster abstract only.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Hearn:1969:SLR</div> <p>[Hea69] Anthony C. Hearn. Standard LISP (reprint). <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, ??(13):28–49, December 1969. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Hearn:1972:R</div> <p>[Hea72a] A. C. Hearn. REDUCE. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, ??(24):14–15, October 1972. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Hearn:1972:INM</div> <p>[Hea72b] Anthony C. Hearn. An improved non-modular polynomial GCD algorithm. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, ??(23):10–15, July 1972. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">Hear:1972:RSP</div> <p>[Hea72c] Anthony C. Hearn. A REDUCE solution of problem #2 — the Y_{2n} functions. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 14(?):14–??, ??? 1972. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Hearn:2009:RFS</div> <p>[Hea09] Anthony C. Hearn. REDUCE is free software as of January 2009. <i>ACM Communications in Computer Algebra</i>, 43(1):15–16, March 2009. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Hebisch:2015:ITE</div> <p>[Heb15] Waldemar Hebisch. Integration in terms of exponential integrals and incomplete gamma functions. <i>ACM Communications in Computer Algebra</i>, 49(3):98–100, September 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Heck:1994:RHW</div> <p>[Hec94] André Heck. Report on the HISIC workshop. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 28(1):2–8, March 1994. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Heindel:1970:AEP</div> <p>[Hei70] Lee E. Heindel. Algorithms for exact polynomial root calcula-</p> |
|---|---|

- tion. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, ??(16):9, October 1970. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- [Hei13] Albert Heinle. Review of “A first course in computational algebraic geometry” by W. Decker and G. Pfister. *ACM Communications in Computer Algebra*, 47(1–2):62–63, March 2013. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Heinle:2013:RFC**
- [Hei15] Florian Heiderich. Towards a non-commutative Picard–Vessiot theory. *ACM Communications in Computer Algebra*, 49(1):24, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Heiderich:2015:TNC**
- [Hel10] Christian Hellström. VarInt: variational integrator design with Maple. *ACM Communications in Computer Algebra*, 44(3):115, September 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Hellstrom:2010:VVI**
- [Hel15] Martin Helmer. Algorithms to compute Chern–Schwartz–Macpherson and Segrè classes and the Euler characteristic. *ACM Communications in Computer Algebra*, 49(2):56, June 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- [Her98] Grete Hermann. The question of finitely many steps in polynomial ideal theory. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 32(3):8–30, September 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). Translation by Michael Abramson of the article *Die Frage der endlich vielen Schritte in der Theorie der Polynomideale*, originally published in Math. Ann. 95 (1926), 736–788 (Received 29 May 1925).
- Hermann:1998:QFM**
- [Her11] Jónathan Heras. Mathematical knowledge management in algebraic topology. *ACM Communications in Computer Algebra*, 45(3–4):236–237, September 2011. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Heras:2011:MKM**
- [HEW⁺14] Zongyan Huang, Matthew England, David Wilson, James H. Davenport, and Lawrence C. Paulson. A comparison of three heuristics to choose the variable ordering for cylindrical algebraic decomposition. *ACM Communications in Computer Algebra*, 48(3/4):
- Huang:2014:CTH**

- 121–123, September 2014. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Haque:2010:CFS**
- [HHM10] Sardar Anisul Haque, Shahadat Hossain, and M. Moreno Maza. Cache friendly sparse matrix-vector multiplication. *ACM Communications in Computer Algebra*, 44(3):111–112, September 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Hascoet:2012:SCO**
- [HHS12] Laurent Hascoët, Shahadat Hossain, and Trond Steihaug. Structured computation in optimization and algorithmic differentiation. *ACM Communications in Computer Algebra*, 46(3–4):94–95, September 2012. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Halstead:1993:PSC**
- [HI93] Robert H. Halstead and Takayasu Ito, editors. *Parallel symbolic computing: languages, systems, and applications: US/Japan workshop, Cambridge, MA, USA, October 14–17, 1992: proceedings*, number 748 in Lecture Notes in Computer Science. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1993. ISBN 0-387-57396-8, 3-540-57396-8. ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN QA76.58.P3785 1993.
- [Hie75]
- [Hir78]
- [Hit07]
- [HJ74]
- Hiemstra:1975:PEC**
- Bauke Hiemstra. A pre-editor for CAMAL. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 9(3):30–34, August 1975. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Hirschberg:1978:EMI**
- Morton A. Hirschberg. The evaluation, manipulation and identification of nondimensional numbers. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 12(2):21–26, May 1978. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Hitz:2007:EPA**
- Markus A. Hitz. ECCAD 2007 poster abstracts. *ACM Communications in Computer Algebra*, 41(1–2):12–24, March–June 2007. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Hall:1974:APS**
- A. D. Hall and S. C. Johnson. ALTRAN programs for SIGSAM problem #6. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 8(2):12–36, May 1974. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

- Harrison:2013:PAW**
- [HJS13] Gavin Harrison, Jeremy Johnson, and B. David Saunders. Probabilistic analysis of Wiedemann’s algorithm for minimal polynomial computation. *ACM Communications in Computer Algebra*, 47(3–4):118–119, September 2013. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Hubert:2005:RRI**
- [HK05] Evelyne Hubert and Irina Kogan. Rational and replacement invariants of a group action. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 39(3):85–87, 2005. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). ISSAC 2005 poster abstract.
- Hamada:2008:KML**
- [HK08] Tatsuyoshi Hamada and KNOPPIX/Math committers. KNOPPIX/Math: a live system for enjoying mathematics with computer. *ACM Communications in Computer Algebra*, 42(3):175–176, September 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Heckler:1997:PM**
- [HKM⁺97] Christian Heckler, Oliver Kluge, Torsten Metzner, Andreas Sorgatz, and Paul Zimmermann. Parallelism in MuPAD. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(3):48, September 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). Poster abstract only.
- Haftmann:2010:CBP**
- [HKN10] Florian Haftmann, Cezary Kaliszyk, and Walther Neuper. CTP-based programming languages?: considerations about an experimental design. *ACM Communications in Computer Algebra*, 44(2):27–41, June 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Hong:1999:ECC**
- [HKS99] Hoon Hong, Erich Kaltofen, and Michael Singer. East Coast Computer Algebra Day ’99 (April 24, 1999): Abstracts of Invited Talks and Presented Papers. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(2):43–52, June 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Holden:2008:SLM**
- [HL08] Joshua Holden and Nathan Lindle. A statistical look at maps of the discrete logarithm (abstract only). *ACM Communications in Computer Algebra*, 42(1–2):57–59, March/June 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).

- [HL10]** Albert Heinle and Viktor Levandovskyy. Factorization of polynomials in Z -graded skew polynomial rings. *ACM Communications in Computer Algebra*, 44(3):113–114, September 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Heinle:2010:FPG**
- [HM99]** Albert Heinle and Viktor Levandovskyy. The SDeval benchmarking toolkit. *ACM Communications in Computer Algebra*, 49(1):1–9, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Heinle:2015:SBT**
- [HL15]** Albert Heinle and Viktor Levandovskyy. The SDeval benchmarking toolkit. *ACM Communications in Computer Algebra*, 49(1):1–9, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Hernandez:1999:USE**
- [HM13]** X. Hernández and J. M. Miret. Using Schubert to enumerate conics in \mathbf{P}^3 . *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(3):16, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Hu:2013:PAC**
- [HLS84]** John Hosack, Kenneth Lane, and Donald Small. Report on the use of a symbolic mathematics system in undergraduate instruction. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 18–19(4–1):19–22, November/February 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Hosack:1984:RUS**
- [HM77]** David L. Hall and B. Craig Meyers. A method for determining the coefficients of a reversed power series. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 11–12(4–1):16–19, November and February 1977. CODEN SIGSBZ.
- Hall:1977:MDC**
- [HMS10]** Jiaxiong Hu and Michael Monagan. A parallel algorithm to compute the greatest common divisor of sparse multivariate polynomials. *ACM Communications in Computer Algebra*, 47(3–4):108–109, September 2013. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Hodorog:2010:GLG**
- [HNT14]** Mădălina Hodorog, Bernard Mourrain, and Josef Schicho. GENOM3CK: a library for genus computation of plane complex algebraic curves using knot theory. *ACM Communications in Computer Algebra*, 44(4):198–200, December 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Hibi:2014:CBT**
- [HM14]** Takayuki Hibi, Kenta Nishiyama, and Nobuki Takayama. Computing bases of twisted cohomology groups for sparse

- polynomials. *ACM Communications in Computer Algebra*, 48(3/4):118–120, September 2014. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Hodorog:2011:SNA**
- [Hod11] Madalina Hodorog. Symbolic-numeric algorithms for plane algebraic curves. *ACM Communications in Computer Algebra*, 45(3–4):239–240, September 2011. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Hohti:1988:CAA**
- [Hoh88] Aarno Hohti. Computational algebra with APL. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 22(1):12–20, January 1988. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Hollenhorst:1992:DDF**
- [Hol92] Manfred Hollenhorst. The design of digital filters using REDUCE. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 26(1):10–12, January 1992. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Holden:2004:DEE**
- [Hol04] Joshua Holden. Distribution of the error in estimated numbers of fixed points of the discrete logarithm. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 38(4):111–118, December 2004. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Hong:1994:FIS**
- [Hon94] Hoon Hong, editor. *First International Symposium on Parallel Symbolic Computation, PASCO '94, Hagenberg/Linz, Austria, September 26–28, 1994*, volume 5 of *Lecture notes series in computing*. World Scientific Publishing Co., Singapore; Philadelphia, PA, USA; River Edge, NJ, USA, 1994. ISBN 981-02-2040-5. LCCN QA76.642.I58 1994.
- Hong:1996:IA**
- [Hon96a] H. Hong. IMACS-ACA '96. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 30(1):61, March 1996. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Hong:1996:P**
- [Hon96b] Hoon Hong. PASCO '97. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 30(3):31, September 1996. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Hong:1996:PSI**
- [Hon96c] Hoon Hong. PASCO '97: Second International Symposium

- on Parallel Symbolic Computation. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 30(2):47–48, June 1996. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Horowitz:1972:S**
- [Hor72] E. Horowitz. SAC-1. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, ??(24): 22–24, October 1972. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Hornecker:2015:CMC**
- [Hor15] Achim Hornecker. Cloud-Math: mathematical collaboration within the cloud. *ACM Communications in Computer Algebra*, 49(4):125–126, December 2015. CODEN ??? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Howard:1970:RAS**
- [How70] James C. Howard. Relativistic applications of symbolic mathematical computation. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, ??(15): 64–83, July 1970. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Heindel:1967:AOS**
- [HP67] Lee E. Heindel and Paul W. Purdom, Jr. The automatic optimization of SLIP routines.
- Husberg:1974:APF**
- [HS74] [HS92] Nisse Husberg and Jouko Seppänen. ANALITIK: principal features of the language and its implementation. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 8(3): 24–25, August 1974. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Hong:1992:PP**
- Hoon Hong and Wolfgang Schreiner. Programming in PACLIB. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 26(4):1–6, November 1992. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Havel:1989:PGA**
- T. F. Havel, B. Sturmels, and N. White. Proposal for a geometric algebra software package. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 23(1):13–15, January 1989. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

- | | |
|--|---|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">Huber:2000:CGF</div> <p>[Hub00] Birkett Huber. Computing Gröbner fans of toric ideals. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 34(1):19–20, March 2000. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Huet:1984:FSC</div> <p>[Hue84] Gérard Huet. The future of symbolic computation: mathematics versus languages. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 18(2):2–5, May 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Hufford:2015:SRF</div> <p>[Huf15] James Hufford. Some results on finite fields. <i>ACM Communications in Computer Algebra</i>, 49(1):20, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Hulshof:1983:SRF</div> <p>[Hv83] B. J. A. Hulshof and J. A. van Hulzen. Some REDUCE facilities for pretty printing subscripts and formal derivatives. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 17(1):16–20, February 1983. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">Heiligman:1998:CWP</div> <p>[HV98] Mark Heiligman and Emil Volcheck. On computing the Weierstrass points of a plane algebraic curve. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 32(2):58, June 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). Abstract only.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Heintz:1975:EQE</div> <p>[HW75] J. Heintz and R. Wüthrich. An efficient quantifier elimination algorithm for algebraically closed fields of any characteristic. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 9(4):11, November 1975. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Hirata:2015:SEM</div> <p>[HYH15] Takuya Hirata, Kazuya Yamaguchi, and Ichijo Hodaka. A symbolic equation modeler for electric circuits. <i>ACM Communications in Computer Algebra</i>, 49(3):80–82, September 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Huang:2015:TAC</div> <p>[HZ15] Guanli Huang and Meng Zhou. On the termination of algorithm for computing relative Gröbner bases. <i>ACM Communications in Computer Algebra</i>,</p> |
|--|---|

- 49(1):28, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Ibanez:2008:HES**
- [Iba08] Ana Romero Ibáñez Ibáñez. Homologa efectiva y sucesiones espectrales (abstract only). *ACM Communications in Computer Algebra*, 42(1–2): 21, March/June 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Ida:2005:MPE**
- [Ida05] Tetsuo Ida. In memoriam: Professor Eiichi Goto. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 39(3): 71–72, September 2005. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Ilyin:1989:FAC**
- [IKRT89] V. A. Ilyin, A. P. Kryukov, A. Ya. Rodionov, and A. Yu. Taranov. Fast algorithm for calculation of Dirac's gamma-matrices traces. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 23(4): 15–24, October 1989. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Lee:2015:SMW**
- [iL15] Dong il Lee. Standard monomials for the Weyl group F_4 . *ACM Communications in Computer Algebra*, 49(3):74–76, September 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Ilie:2008:CCN**
- Silvana Ilie. Computational complexity of numerical solutions of initial value problems for differential algebraic equations (abstract only). *ACM Communications in Computer Algebra*, 42(1–2):21–22, March/June 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Inoue:2008:CIR**
- [IMSS08] Shutaro Inoue, Kohei Mukaida, Akira Suzuki, and Yosuke Sato. Computation of inverses in residue class rings with parameters. *ACM Communications in Computer Algebra*, 42(3):140–141, September 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Inaba:2005:FMP**
- [Ina05] Daiju Inaba. Factorization of multivariate polynomials by extended Hensel construction. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 39(1):2–14, March 2005. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Inaba:2006:VEH**
- [IOS06] Daiju Inaba, Takeshi Osokawa, and Tateaki Sasaki. Visualization of extended Hensel factors. *ACM Communications in Computer Algebra*, 40(1):1–2, March 2006. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).

- in Computer Algebra*, 40(2):44–45, June 2006. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Islam:2011:CQC**
- [IP11] Md. Nazrul Islam and A. Poteaux. [ISS94] Connectivity queries on curves in R_n . *ACM Communications in Computer Algebra*, 45(2):117–118, June 2011. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Inoue:2009:IBG**
- [IS09] Shutaro Inoue and Yosuke Sato. Implementation of Boolean Gröbner bases in Risa/Asir. *ACM Communications in Computer Algebra*, 43(3):83–84, September 2009. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Ilie:2016:AEC**
- [IS16] Silvana Ilie and Arne Storjohann. Abstracts of the 2015 East Coast Computer Algebra Day. *ACM Communications in Computer Algebra*, 50(1):35–39, March 2016. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- SIGSAM:1989:PAI**
- [ISS89] *Proceedings of the ACM-SIGSAM 1989 International Symposium on Symbolic and Algebraic Computation: ISSAC '89, July 17–19, 1989, Portland, Oregon*. ACM Press, New York, NY, USA, 1989. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US\$22.00. English and French. Includes bibliographical references and index.
- SIGSAM:1994:IPI**
- [IT12] V. D. Irtegov and T. N. Titorenko. Symbolic analysis of dynamic systems. *ACM Communications in Computer Algebra*, 46(3–4):98–99, September 2012. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Irtegov:2012:SAD**
- [IVV99] M. T. Iglesias, C. Vidal, and A. Verschoren. Computing epistasis through Walsh transforms. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(3):16–17, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Iglesias:1999:CET**
- [Iwa05] Maki Iwami. Extension of expansion base algorithm for multivariate analytic factorization including the case of singular
- Iwami:2005:EEB**

- leading coefficient. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 39(4):122–126, December 2005. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Iwami:2008:AIA**
- [Iwa08] Maki Iwami. An attack on improved algebraic surface public-key cryptosystem (abstract only). *ACM Communications in Computer Algebra*, 42(1–2):71–74, March/June 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Izumi:2014:MPI**
- [Izu14] Hideaki Izumi. Maple package *itsol* for formal solutions of iterative functional equations. *ACM Communications in Computer Algebra*, 48(3/4):192–196, September 2014. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Jain:2008:MHR**
- [Jai08] Sonal Jain. Minimal heights and regulators for elliptic surfaces (abstract only). *ACM Communications in Computer Algebra*, 42(1–2):59–61, March/June 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Jalabert:1999:UNP**
- [Jal99] M. Lejeune Jalabert. On the ubiquity of Newton polyhedra. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(3):12, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Jaroschek:2012:IPR**
- [Jar12] Maximilian Jaroschek. Improved polynomial remainder sequences for ore polynomials. *ACM Communications in Computer Algebra*, 46(3–4):100–101, September 2012. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Jaroschek:2015:ROP**
- [Jar15] Maximilian Jaroschek. Radicals of Ore polynomials. *ACM Communications in Computer Algebra*, 49(1):24, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Joyner:2011:OSC**
- [JČMG11a] David Joyner, Ondřej Čertík, Aaron Meurer, and Brian E. Granger. Open source computer algebra systems: SymPy. *ACM Communications in Computer Algebra*, 45(3–4):225–234, September 2011. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Joyner:2011:RDJ**
- [JCMG11b] David Joyner, Ondrej Certík, Aaron Meurer, and Brian E. Granger. Richard Dimick Jenks Memorial Prize 2011. *ACM Communications in Computer Algebra*, 45(3–4):235, September 2011. CODEN ???? ISSN

- 1932-2232 (print), 1932-2240 (electronic).
- Jovanovic:2012:SNL**
- [JdM12] Dejan Jovanović and Leonardo de Moura. Solving non-linear arithmetic. *ACM Communications in Computer Algebra*, 46(3–4):104–105, September 2012. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Jeffreys:1972:T**
- [Jef72] W. H. Jeffreys. TRIGMAN. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, ??(24):20–21, October 1972. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Jeffrey:1998:FRA**
- [Jef98a] D. J. Jeffrey. Formally reviewed articles in the Bulletin. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 32(2):5–6, June 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Jeffrey:1998:IVC**
- [Jef98b] D. J. Jeffrey. ISSAC '99 Vancouver call for papers: International Symposium on Symbolic and Algebraic Computation, 28–31 July 1999, Simon Fraser University, British Columbia, Canada. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 32(2):16–17, June 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)**, 32(2):63–64, June 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Jeffrey:2003:ME**
- [Jef03] David J. Jeffrey. Message from the Editor. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 37(2):63, June 2003. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Jeffrey:2010:LFN**
- [Jef10] D. J. Jeffrey. LU factoring of non-invertible matrices. *ACM Communications in Computer Algebra*, 44(1):1–8, March 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Jenks:1970:MLI**
- [Jen70] R. D. Jenks. META/LISP: an interactive translator writing system. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, ??(16):10–18, October 1970. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Jenks:1972:S**
- [Jen72] R. D. Jenks. SCRATCHPAD. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, ??(24):16–17, October 1972. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

- 0163-5824 (print), 1557-9492 (electronic).
- [Jen74a] R. D. Jenks, editor. *Proceedings of Eurosam '74, Royal Institute of Technology, Stockholm, Sweden, August 1–2, 1974*. ACM Press, New York, NY, USA, 1974. Published in ACM SIGSAM Bulletin, volume 8, number 3.
- [Jen74b] R. D. Jenks. The SCRATCH-PAD language. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 8(2):20–30, May 1974. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- [Jen75] Richard D. Jenks. Course outline: Yale University, New Haven. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 9(3):9–10, August 1975. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- [Jen76] Richard D. Jenks, editor. *Sym-sac '76: proceedings of the 1976 ACM Symposium on Symbolic and Algebraic Computation, August 10–12, 1976, Yorktown Heights, New York*. ACM Press, New York, NY, USA, 1976. LCCN QA155.7.E4 A15 1976. US\$20.00.
- [Jen77] [Jen77]
- [Jen79a] Richard D. Jenks. On the design of a mode-based symbolic system. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 11(1):16–19, February 1977. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- [Jen79b] Richard D. Jenks. SCRATCH-PAD/360: reflections on a language design. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 13(1):16–26, February 1979. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- [Jen15] Jarl Jensen. On the formulation and solution of shell problems by means of computerized algebraic manipulation. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 13(2):13, May 1979. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- [Jen15] [Jen15]
- [Jen15] David Jensen. Brill-Noether theory for metric graphs. *ACM Communications in Computer Algebra*, 49(2):60, June 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).

- | | |
|---|--|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">Jeronimo:2015:EDL</div> <p>[Jer15] Gabriela Jeronimo. Effective differential Lüroth theorem. <i>ACM Communications in Computer Algebra</i>, 49(1):24–25, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Johnson:1974:P</div> <p>[JG74] S. C. Johnson and R. L. Graham. Problem #7. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 8(1):4, February 1974. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Jiang:2012:ACE</div> <p>[JGB12] Hao Jiang, Stef Graillat, and Roberto Barrio. Accurate computing elementary symmetric functions. <i>ACM Communications in Computer Algebra</i>, 46(3–4):102–103, September 2012. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Jeffrey:2002:TCE</div> <p>[JK02] D. J. Jeffrey and Ilias S. Kotsireas. Table of conferences and events. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 36(1):17, March 2002. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">JM98</div> <p>[JM98] [JM08]</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Joyner:1998:MPD</div> <p>David Joyner and Roland Martin. A Maple package for the decomposition of certain tensor products and restrictions of representations using crystal graphs. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 32(2):19–22, June 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Joyner:2008:SCT</div> <p>David Joyner and Robert Miller. SAGE and coding theory (abstract only). <i>ACM Communications in Computer Algebra</i>, 42(1–2):74–78, March/June 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Javadi:2010:SIF</div> <p>Seyed Mohammad Mahdi Javadi and Michael Monagan. On sparse interpolation over finite fields. <i>ACM Communications in Computer Algebra</i>, 44(3):116–117, September 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Jeannerod:2009:ECA</div> <p>Claude-Pierre Jeannerod, Christophe Mouilleron, and Gilles Villard. Extending Cardinal’s algorithm to a broader class of structured matrices. <i>ACM Communications in Computer Algebra</i>, 43(3):84–85, September 2009.</p> |
|---|--|

- CODEN ????, ISSN 1932-2232 (print), 1932-2240 (electronic).
- Jeffrey:2004:SRB**
- [JN04] D. J. Jeffrey and A. C. Norman. Not seeing the roots for the branches: multivalued functions in computer algebra. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 38(3):57–66, September 2004. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Johnson:1974:SPA**
- [Joh74] Stephen C. Johnson. Sparse polynomial arithmetic. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 8(3):63–71, August 1974. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Johnson:1975:NAP**
- [Joh75] S. C. Johnson. A note on abnormal polynomial remainder sequences. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 9(3):28–29, August 1975. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Johnson:2010:ARD**
- [Joh10] Jeremy Johnson. Abstracts of recent doctoral dissertations in computer algebra. *ACM Communications in Computer Algebra*, 44(3):155, September 2010.
- CODEN ????, ISSN 1932-2232 (print), 1932-2240 (electronic).
- Johnson:2011:ARDa**
- Jeremy Johnson. Abstracts of recent doctoral dissertations in computer algebra. *ACM Communications in Computer Algebra*, 45(1):62, March 2011. CODEN ????, ISSN 1932-2232 (print), 1932-2240 (electronic).
- Johnson:2011:ARDb**
- Jeremy Johnson. Abstracts of recent doctoral dissertations in computer algebra. *ACM Communications in Computer Algebra*, 45(2):143–145, June 2011. CODEN ????, ISSN 1932-2232 (print), 1932-2240 (electronic).
- Johnson:2012:ARDa**
- Jeremy Johnson. Abstracts of recent doctoral dissertations in computer algebra. *ACM Communications in Computer Algebra*, 46(1–2):14–16, March/June 2012. CODEN ????, ISSN 1932-2232 (print), 1932-2240 (electronic).
- Johnson:2012:ARDb**
- Jeremy Johnson. Abstracts of recent doctoral dissertations in computer algebra. *ACM Communications in Computer Algebra*, 46(1–2):60–63, March/June 2012. CODEN ????, ISSN 1932-2232 (print), 1932-2240 (electronic).

- Johnson:2012:ARDc**
- [Joh12c] Jeremy Johnson. Abstracts of recent doctoral dissertations in computer algebra. *ACM Communications in Computer Algebra*, 46(3–4):127–129, September 2012. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Johnson:2012:ARDd**
- [Joh12d] Jeremy Johnson. Abstracts of recent doctoral dissertations in computer algebra. *ACM Communications in Computer Algebra*, 46(3–4):176–179, September 2012. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Johnson:2012:MWK**
- [Joh12e] Jeremy Johnson. In memoriam: Werner Krandick. *ACM Communications in Computer Algebra*, 46(1–2):52–54, March/June 2012. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Johansson:2013:ACL**
- [Joh13a] Fredrik Johansson. Arb: a C library for ball arithmetic. *ACM Communications in Computer Algebra*, 47(3–4):166–169, September 2013. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Johnson:2013:ARD**
- [Joh13b] Jeremy Johnson. Abstracts of recent doctoral dissertations in computer algebra. *ACM Communications in Computer Algebra*, 47(3–4):108–111, September–December 2013. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Communications in Computer Algebra**, 47(1–2):19–23, March 2013. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Jones:2008:RAA**
- [Jon08] Josh Jones. The RSA algorithm (abstract only). *ACM Communications in Computer Algebra*, 42(1–2):74, March/June 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Joyner:2005:CPD**
- [Joy05a] David Joyner. Conjectural permutation decoding of some AG codes. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 39(1):26–32, March 2005. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Joyner:2005:GEC**
- [Joy05b] David Joyner. GUAVA: an error-correcting codes package. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 39(2):65–68, June 2005. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Joyner:2006:OM**
- [Joy06] David Joyner. OSCAS: *maxima*. *ACM Communications in Computer Algebra*, 40(3–4):108–111, September–December 2006. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).

- 2232 (print), 1932-2240 (electronic).
- Joyner:2008:OSC**
- [Joy08] David Joyner. Open source computer algebra systems: Axiom. *ACM Communications in Computer Algebra*, 42(1-2):39–47, March/June 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic). [JP15]
- Joyner:2009:ASS**
- [Joy09a] David Joyner. AMS special session on SAGE and mathematical research using open source software. *ACM Communications in Computer Algebra*, 43(2):49–54, June 2009. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic). [JR91]
- Joyner:2009:OSC**
- [Joy09b] David Joyner. Open source computer algebra systems: GAP. *ACM Communications in Computer Algebra*, 43(4):110–118, December 2009. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic). [Joy15]
- Joyner:2015:EWC**
- David Joyner. Edge-weighted Cayley graphs, monotonicity and bent functions. *ACM Communications in Computer Algebra*, 49(1):20–21, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic). [JRH15]
- Joswig:2011:DPC**
- [JP11] Michael Joswig and Andreas Paffenholz. Defect polytopes and counter-examples with **polymake**. *ACM Communications in Computer Algebra*, 45(3-4):177–179, September 2011. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Jurrius:2015:EGR**
- Relinde Jurrius and Ruud Pellikaan. The extended and generalized rank weight enumerator of a code. *ACM Communications in Computer Algebra*, 49(1):21, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Jamali:1991:LSG**
- A. R. Jamali and E. F. Robertson. A library of simple groups: permutations, presentations, conjugacy classes, maximal subgroups and Sylow subgroups. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 25(1):46–49, January 1991. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Jeffrey:2015:RIT**
- David Jeffrey, Albert Rich, and Junrui Hu. RUBI and integration as term re-writing: integrals containing tangent. *ACM Communications in Computer Algebra*, 49(1):34, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).

- | | |
|---|---|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">Just:2006:CGB</div> <p>[JS06] Winfried Just and Brandilyn Stigler. Computing Gröbner bases of ideals of few points in high dimensions. <i>ACM Communications in Computer Algebra</i>, 40(3–4):67–78, September–December 2006. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Juttler:2003:SIP</div> <p>[JSS03] B. Jüttler, J. Schicho, and M. Shalaby. C^1 spline implicitization of planar curves. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 37(3):65, September 2003. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Jank:1991:CMU</div> <p>[JT91] Gerhard Jank and Lutz H. Tack. Conformal mapping using Bergman's method and the Maple system. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 25(2):18–23, April 1991. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Juan:2015:IAF</div> <p>[Jua15] Lourdes Juan. On the integration of algebraic functions: computing the logarithmic part. <i>ACM Communications in Computer Algebra</i>, 49(1):25, March 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">Khan:1999:CSS</div> <p>[KA99] Rao F. H. Khan and N. Ahmad. A comparison of symbolic solution of radioactive decay chains using Mathematica. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 33(3):20, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Kahan:1975:PEP</div> <p>[Kah75] W. Kahan. Problem #9: an ellipse problem. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 9(3):11–12, August 1975. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Kako:1998:AJC</div> <p>[Kak98] Fujio Kako. Abstracts of Japanese Computer Algebra Meeting in Kyoto. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 32(1):56–63, March 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Kalina:1982:RRL</div> <p>[Kal82a] Zdeněk Kalina. Running REDUCE and Lisp/360 interactively under a Time Sharing Option. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 16(2):3, May 1982. CODEN SIGSBZ. ISSN 0163-</p> |
|---|---|

- 5824 (print), 1557-9492 (electronic).
- Kaltofen:1982:PRM**
- [Kal82b] Erich Kaltofen. Polynomial reduction from multivariate to bivariate integral polynomial factorization. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 16(4):4, November 1982. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Kaltofen:1993:DPT**
- [Kal93a] Erich Kaltofen. Direct proof of a theorem by Kalkbrener, Sweedler, and Taylor. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 27(4):2, December 1993. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Kaltofen:1993:MC**
- [Kal93b] Erich Kaltofen. Message from the chair. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 27(3):1-??, September 1993. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Kaltofen:1995:MC**
- [Kal95] Erich Kaltofen. Message from the chair. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 29(2):1, April 1995.
- 5824 (print), 1557-9492 (electronic).
- Kaltofen:1996:ISC**
- [Kal96] Erich Kaltofen. ISSAC steering committee bylaws. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 30(1):31-33, March 1996. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Kaltofen:1998:ECCAD**
- [Kal98] Erich Kaltofen. ECCAD '99: East Coast Computer Algebra Day. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 32(2):64, June 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Kaltofen:2013:JPA**
- [Kal13] Erich Kaltofen. Jenks Prize 2013 award citation. *ACM Communications in Computer Algebra*, 47(3-4):187, September 2013. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Kaltofen:2015:JPA**
- [Kal15] Erich Kaltofen. Jenks Prize 2015 award citation. *ACM Communications in Computer Algebra*, 49(4):112, December 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).

- | | |
|--|---|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">Kanoui:1976:SAS</div> <p>[Kan76] Henry Kanoui. Some aspects of symbolic integration via predicate logic programming. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 10(4):29–42, November 1976. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Kasper:1980:IFT</div> <p>[Kas80] Toni Kasper. Integration in finite terms: the Liouville theory. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 14(4):2–8, November 1980. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Katz:1987:IDE</div> <p>[Kat87] Alan Katz. Issues in defining an equations representation standard. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 21(2):19–24, February 1987. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Kauers:2003:CLS</div> <p>[Kau03] Manuel Kauers. Computing limits of sequences. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 37(3):74–77, September 2003. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">Kauers:2005:IJB</div> <p>[Kau05] Manuel Kauers, editor. <i>IS-SAC '05: July 24–27, 2005, Beijing, China: Proceedings of the 2005 International Symposium on Symbolic and Algebraic Computation</i>. ACM Press, New York, NY, USA, 2005. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Kollreider:1978:IAC</div> <p>[KB78] C. Kollreider and B. Buchberger. An improved algorithmic construction of Gröbner-bases for polynomial ideals. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 12(2):27–36, May 1978. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Ke:2000:SAC</div> <p>[Ke00] Nainn-Ping Ke. Symbolic and algebraic computation in robust stability analysis. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 34(1):21, March 2000. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Kelsey:2008:DFS</div> <p>[Kel08] Michael A. Kelsey. Dethroning Fibonacci sequence (abstract only). <i>ACM Communications in Computer Algebra</i>, 42(1–2):78, March/June 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).</p> |
|--|---|

- Kelly:2015:ACP**
- [Kel15] Tyler Kelly. An algorithm for computing Picard ranks of certain K3 surfaces. *ACM Communications in Computer Algebra*, 49(2):59, June 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Kempelmann:1981:RAF**
- [Kem81] Helmut Kempelmann. Recursive algorithm for the fast calculation of the limit of derivatives at points of indeterminateness. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 15(4):10–11, November 1981. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Kahan:1999:SCD**
- [KF99] W. Kahan and Richard J. Fateman. Symbolic computation of divided differences. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(2):7–28, June 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Kofalusi:1981:SSS**
- [KH81] Victor Köfalusi and Edit Halmary. State-space sets, state-space graphs and n -prefix expressions. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 15(1):33–36, February 1981. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Kai:2011:CIS**
- [KI11] Hiroshi Kai and Shigenobu Inoue. Cheater identification on a secret sharing scheme using GCD. *ACM Communications in Computer Algebra*, 45(2):119–120, June 2011. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Kytmanov:2015:FRI**
- [KKM15] A. A. Kytmanov, A. M. Kytmanov, and E. K. Myshkina. On finding residue integrals for a class of systems of non-algebraic equations. *ACM Communications in Computer Algebra*, 49(3):77–79, September 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Klip:1974:DPR**
- [Kli74] Dorothea A. Klip. Different polynomial representations and their interaction in the portable algebra system PORT-ALG. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 8(3):72–73, August 1974. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Klip:1978:CSA**
- [Kli78] Dorothea A. Klip. A comparative study of algorithms

- for sparse polynomial multiplication. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 12(3):12–24, August 1978. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Kotsireas:2003:EIP**
- [KLV03] Ilias Kotsireas, Edmond Lau, and Richard Vojno. Exact implicitization of polynomial curves and surfaces. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 37(3):78, September 2003. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Knill:1987:RGR**
- [KM87] O. Knill and R. E. Mäder. The rotation group of Rubik's cube. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 21(3):33–43, August 1987. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Krandick:2005:NBD**
- [KM05] Werner Krandick and Kurt Mehlhorn. New bounds for the Descartes method. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 39(3):94, 2005. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). ISSAC 2005 poster abstract.
- [KM11] Deepanjan Kesh and Shashank K. Mehta. A saturation algorithm for homogeneous binomial ideals. *ACM Communications in Computer Algebra*, 45(2):121–122, June 2011. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Kesh:2011:SAH**
- [KN87] Deepak Kapur and Paliath Narendran. Matching, unification and complexity. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 21(4):6–9, November 1987. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Kapur:1987:MUC**
- [KN97] Hiroshi Kai and Matu-Tarow Noda. Cauchy principal value integral using hybrid integral. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(3):37–38, September 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). Poster abstract only.
- Kai:1997:CPV**
- [KN98] Hiroshi Kai and Matu-Tarow Noda. Hybrid computation of Cauchy-type singular integral equations. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 32(2):59–60, June 1998. CODEN SIGSBZ. ISSN
- Kai:1998:HCC**

- 0163-5824 (print), 1557-9492 (electronic). Abstract only.
- Kai:2000:HCB**
- [KN00] Hiroshi Kai and Matu-Tarow Noda. Hybrid computation of bivariate rational interpolation. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 34(1):20–21, March 2000. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Knopfmacher:1997:DDF**
- [Kno97] Arnold Knopfmacher. Distinct degree factorizations for polynomials over a finite field. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(3):38–39, September 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). Poster abstract only.
- Knuth:1975:SSA**
- [Knu75] Donald E. Knuth. Son of seminumerical algorithms. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 9(4):10–11, November 1975. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Kruse:1983:ARE**
- [KO83] Hans-Guenther Kruse and Karin Ohlsen. About the realization of an extended, but really interactive REDUCE by integration of a small editing and executing system. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 17(1):21–25, February 1983. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Kaltofen:2013:NFO**
- [KO13] Erich Kaltofen and Alexey Ovchinnikov. NSF funding opportunities for symbolic computation. *ACM Communications in Computer Algebra*, 47(3–4):84, September 2013. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Koepf:1993:EAC**
- [Koe93] Wolfram Koepf. Examples for the algorithmic calculation of formal Puiseux, Laurent and power series. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 27(1):20–32, January 1993. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Koepf:1994:FID**
- [Koe94] Wolfram Koepf. On families of iterated derivatives. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 28(3–4):10–26, December 1994. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Koepf:1995:RPI**
- [Koe95] Wolfram Koepf. REDUCE package for the indefinite and

- definite summation. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 29(1):14–30, January 1995. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Kogan:2015:DAI**
- [Kog15] Irina A. Kogan. Differential algebra of invariants and invariant variational calculus. *ACM Communications in Computer Algebra*, 49(1):25, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Kohlhase:2000:OIO**
- [Koh00] Michael Kohlhase. OMDoc: An infrastructure for OpenMath content dictionary information. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 34(2):43–48, June 2000. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Kohl:2010:IMB**
- [Koh10] Karen T. Kohl. An implementation of the method of brackets for symbolic integration. *ACM Communications in Computer Algebra*, 44(3):118–119, September 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Korpela:1976:GCA**
- [Kor76] Jukka Korpela. General characteristics of the ANALITIK language. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 10(3):30–48, August 1976. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Korpela:1977:SPC**
- [Kor77] Jukka Korpela. Some problems connected with ambiguous expressions. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 11(3):7–9, August 1977. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Kotsireas:2001:HPS**
- [Kot01] Ilias S. Kotsireas. Homotopies and polynomial system solving I: Basic principles. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 35(1):19–32, March 2001. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Kotsireas:2002:AIC**
- [Kot02] Ilias S. Kotsireas. ACA 2002 8th International Conference on Applications of Computer Algebra June 25–28, 2002, Volos, Greece. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 36(1):22, March 2002. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

- Kotsireas:2008:MMC**
- [Kot08] Ilias S. Kotsireas. Mathematical Methods in Computer Science 2008: MMICS 2008, December 17–19, 2008, Karlsruhe, Germany. *ACM Communications in Computer Algebra*, 42(1–2):103, March/June 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Kotsireas:2014:MSCa**
- [Kot14a] Ilias S. Kotsireas. Message from the SIGSAM Chair. *ACM Communications in Computer Algebra*, 48(2):32, March 2014. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Kotsireas:2014:MSCb**
- [Kot14b] Ilias S. Kotsireas. Message from the SIGSAM Chair. *ACM Communications in Computer Algebra*, 48(3/4):154, September 2014. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Koutschan:2009:AAH**
- [Kou09] Christoph Koutschan. Advanced applications of the holonomic systems approach. *ACM Communications in Computer Algebra*, 43(4):119, December 2009. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Koutschan:2013:HFM**
- [Kou13] Christoph Koutschan. Holonomic functions in Mathematica. *ACM Communications in Computer Algebra*, 47(3–4):179–182, September 2013. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Koutschan:2016:MPP**
- [Kou16] Christoph Koutschan. Motion polynomials and planar linkages. *ACM Communications in Computer Algebra*, 50(3):109–112, September 2016. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Kredel:1997:MMA**
- [KP97] Heinz Kredel and Michael Pesch. MAS, the Modula-2 Algebra System, version 1.00. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(3):52–54, September 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). Poster abstract only.
- Kauers:2016:WSC**
- [KPR16] Manuel Kauers, Peter Paule, and Greg Reid. Workshop on symbolic combinatorics and algorithmic differential algebra. *ACM Communications in Computer Algebra*, 50(1):27–34, March 2016. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Krick:1999:AN**
- [KPS99] T. Krick, L. M. Pardo, and M. Sombra. Arithmetic Nullstellensätze. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(3):2–11, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

- on Symbolic and Algebraic Manipulation)*, 33(3):17, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Krandick:2006:TCA**
- [KPW06] Werner Krandick, Shawn S. Pierce, and Zhendong Wan. Towards collaboration across display diversity. *ACM Communications in Computer Algebra*, 40(2):49–50, June 2006. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Kryukov:1985:IR**
- [KR85a] A. P. Kryukov and A. Ya. Rodinov. Interactive REDUCE. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 19(3):43–45, August 1985. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Kryukov:1985:DDS**
- [KR85b] A. P. Kryukov and A. Ya. Rodinov. Dynamic-debugging system for the REDUCE programs. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 19(2):34–37, May 1985. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Krasinski:1983:OPA**
- [Kra83] Andrzej Krasiński. ORTO-CARTAN: a program for algebraic calculations in general relativity. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 17(3–4):12–18, August/November 1983. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Kredel:1988:ATO**
- [Kre88] Heinz Kredel. Admissible term orderings used in computer algebra systems. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 22(1):28–31, January 1988. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Kredel:2001:ARW**
- [Kre01] H. Kredel. Announcement: Rhine Workshop on Computer Algebra. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 35(3):38, September 2001. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Krishnamurthy:1984:FPC**
- [Kri84] E. V. Krishnamurthy. Functional programming with combinators for symbolic computation. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 18(2):24, May 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Korporal:2010:MPI**
- [KRR10] Anja Korporal, Georg Regensburger, and Markus Rosenkranz. ■

- A Maple package for integro-differential operators and boundary problems. *ACM Communications in Computer Algebra*, 44(3):120–122, September 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Korporal:2012:ISD**
- [KRR12] Anja Korporal, Georg Regensburger, and Markus Rosenkranz. ISSAC 2012 software demonstrations: Symbolic computation for ordinary boundary problems in maple. *ACM Communications in Computer Algebra*, 46(3-4):154–156, September 2012. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Kryukov:1984:ARL**
- [Kry84] A. P. Kryukov. An antitranslator of the RLISP language. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 18(3):12–15, August 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Kanada:1981:LBB**
- [KS81] Yasumasa Kanada and Tateaki Sasaki. LISP-based “big-float” system is not slow. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 15(2):13–19, May 1981. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- [KS92] [KS94] [KS97]
- M. Kolár and T. Sasaki. Multivariate quotient by power-series division. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 26(3):17–20, August 1992. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Kolar:1992:MQP**
- Norbert Kajler and Neil Soiffer. Some human interaction issues in computer algebra. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 28(1):18–28, March 1994. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Kajler:1994:SHI**
- Fujio Kako and Tateaki Sasaki. Proposal of “effective floating-point number” for approximate algebraic computation. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(3):31, September 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). Poster abstract only. Discusses fuzzy and interval floating-point arithmetic.
- Kako:1997:PEF**
- Masaaki Kanno and Malcolm C. Smith. Validated numerical methods for systems
- Kanno:2003:VNM**

- and control engineering. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 37(3):72–73, September 2003. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Khan:2013:VFM**
- [KS13] Muhammad Taimoor Khan and Wolfgang Schreiner. A verification framework for MiniMaple programs. *ACM Communications in Computer Algebra*, 47(3–4):98–99, September 2013. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Kawano:2014:QFT**
- [KS14] Yasuhito Kawano and Hiroshi Sekigawa. Quantum Fourier Transform over symmetric groups: Improved result. *ACM Communications in Computer Algebra*, 48(3/4):127–129, September 2014. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Keigher:2015:DEH**
- [KS15] William F. Keigher and V. Ravi Srinivasan. Differential equations and Hurwitz series. *ACM Communications in Computer Algebra*, 49(1):31, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Ksir:2015:ATC**
- [Ksi15] Amy Ksir. Automorphisms of tropical curves and Berkovich analytic curves and their skeletons. *ACM Communications in Computer Algebra*, 49(2):60, June 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Koutschan:2015:MPL**
- Christoph Koutschan, Erwin Suazo, and Sergei K. Suslov. Multi-parameter laser modes in paraxial optics. *ACM Communications in Computer Algebra*, 49(1):33, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Koukouvinos:2011:AFE**
- Christos Koukouvinos, Dimitris E. Simos, and Zafeirakis Zafeirakopoulos. An algebraic framework for extending orthogonal designs. *ACM Communications in Computer Algebra*, 45(2):123–124, June 2011. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Kai:2014:FSD**
- Hiroshi Kai and Keita Ueda. Fake shares detection on a visual secret sharing scheme by rational interpolation. *ACM Communications in Computer Algebra*, 48(3/4):124–126, September 2014. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Kuchlin:1982:SRS**
- Wolfgang Küchlin. Some reduction strategies for algebraic term rewriting. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 16(1):1–10, March 1982. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- [Kuc82]

- [Kuc87] W. Küchlin. Public key encryption. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 21(3):69–73, August 1987. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Kuchlin:1987:PKE**
- [Kuc97] Wolfgang W. Küchlin, editor. *ISSAC 97: July 21–23, 1997, Maui, Hawaii, USA: proceedings of the 1997 International Symposium on Symbolic and Algebraic Computation*. ACM Press, New York, NY, USA, 1997. ISBN 0-89791-875-4. LCCN QA76.95. URL <http://www.acm.org/pubs/contents/proceedings/issac/258726/>.
- Kuchlin:1997:PPS**
- [KV04] Ilias Kotsireas and Emil Volcheck. ANTS VI: algorithmic number theory symposium poster abstracts. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 38(3):93–107, September 2004. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Kotsireas:2004:AVA**
- [KW97] M. Kalkbrener and D. Wang. Journal of Symbolic Computation special issue on polynomial elimination: Algorithms and applications. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(1):31, March 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Kalkbrener:1997:JSC**
- [KYA08] Masaaki Kanno, Kazuhiro Yokoyama, and Hirokazu Anai. Solution of the algebraic Riccati equation using the sum of roots. *ACM Communications in Computer Algebra*, 42(3):144–145, September 2008. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Kanno:2008:SAR**
- [KZ06] Ilias S. Kotsireas and Eugene A. Zima. WWCA 2006 abstracts. *ACM Communications in Computer Algebra*, 40(2):52–59, June 2006. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Kotsireas:2006:WA**
- [KZ11] Ilias Kotsireas and Eugene Zima. Abstracts of WWCA 2011 in honor of Herb Wilf's 80th birthday. *ACM Communications in Computer Algebra*, 45(2):92–99, June 2011. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Kotsireas:2011:AWH**

- Labonte:1987:RPS**
- [Lab87] Gilles Labonté. Report on a program for solving polynomial equations in non-commuting variables. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 21(2):4–7, February 1987. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Labahn:2015:DSS**
- [Lab15a] George Labahn. Dynamical systems and scaling invariants. *ACM Communications in Computer Algebra*, 49(1):25, March 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Labahn:2015:RIF**
- [Lab15b] George Labahn. Rational invariants of finite abelian groups. *ACM Communications in Computer Algebra*, 49(1):31–32, March 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Labelle:2015:CIP**
- [Lab15c] Gilbert Labelle. Combinatorial integration (part I, part II). *ACM Communications in Computer Algebra*, 49(1):35, March 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Lacolle:1992:SAS**
- [Lac92] B. Lacolle. Spinor analysis and symbolic computation of partition functions. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 26(4):7–14, November 1992. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- LakshmanYN:1996:IPI**
- [Lak96] Lakshman Y. N., editor. *IS-SAC '96: Proceedings of the 1996 International Symposium on Symbolic and Algebraic Computation*, July 24–26, 1996, Zurich, Switzerland. ACM Press, New York, NY, USA, 1996. ISBN 0-89791-796-0. LCCN QA 76.95 I59 1996.
- N:1998:SIB**
- [Lak98] Lakshman Y. N. SIGSAM/ISSAC business meeting summary. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 32(2):3–4, June 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Langemyr:1986:CSC**
- [Lan86] Lars Langemyr. Converting SAC-2 code to Lisp. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 20(4):11–13, December 1986. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Landau:1993:FMS**
- [Lan93] Susan Landau. Finding maximal subfields. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 27(4):1–10, December 1993. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

- letin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 27(3):4–8, September 1993. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- LaPlace:1972:PLP**
- [LaP72] André M. L. LaPlace. PL/I list processing used as interactive system support. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, ??(22):10–24, March 1972. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Lassner:1984:RNC**
- [Las84] W. Lassner. Report on a national computer algebra workshop in Leipzig. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 18(3):22–23, August 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Lauer:1977:SKP**
- [Lau77] Markus Lauer. A solution to Kahan’s problem (SIGSAM problem no. 9). *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 11(2):16–20, May 1977. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Launois:2015:EQG**
- [Lau15] Stephane Launois. Endomorphisms of quantum generalized Weyl algebras. *ACM Communications in Computer Algebra*, 49(1):31, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Lazard:1980:PSA**
- D. Lazard. Problem 7 and systems of algebraic equations. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 14(2):26–29, May 1980. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Lazard:2001:SSA**
- D. Lazard. Solving systems of algebraic equations. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 35(3):11–37, September 2001. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). Originally published as “Résolution des Systèmes d’Équations Algébriques”, *Theoretical Computer Science* **15** (1981), 77–110. Translated by Michael Abramson.
- Li:2011:APF**
- Yue Li and Gabriel Dos Reis. An automatic parallelization framework for OpenAxiom. *ACM Communications in Computer Algebra*, 45(2):125–126, June 2011. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).

- | | |
|---|--|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">Le:2001:CMT</div> <p>[Le01] H. Q. Le. Computing the minimal telescoper for sums of hypergeometric terms. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 35(3):2–10, September 2001. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Lee:2010:CAD</div> <p>[Lee10] Jae Hee Lee. Cylindrical algebraic decomposition for reasoning about qualitative spatial knowledge. <i>ACM Communications in Computer Algebra</i>, 44(3):123–124, September 2010. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Legendi:1984:CHS</div> <p>[Leg84] T. Legendi. Cellular hardware and symbolic computation. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 18(2):33, May 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Lemaire:2015:NDA</div> <p>[Lem15] François Lemaire. New development and application of integration of differential fractions. <i>ACM Communications in Computer Algebra</i>, 49(1):26, March 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">Lenstra:1981:LFP</div> <p>[Len81] A. K. Lenstra. Lattices and factorization of polynomials. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 15(3):15–16, August 1981. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Lenstra:1984:FP</div> <p>[Len84] Arjen K. Lenstra. Factorization of polynomials. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 18(2):16–18, May 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">LeSchack:1970:RRL</div> <p>[LeS70] A. R. LeSchack. Response from A. R. LeSchack. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, ??(14):13–16, January 1970. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Levelt:1995:IPI</div> <p>[Lev95] A. H. M. Levelt, editor. <i>ISSAC '95: Proceedings of the 1995 International Symposium on Symbolic and Algebraic Computation: July 10–12, 1995, Montréal, Canada</i>. ISSAC - PROCEEDINGS- 1995. ACM Press, New York, NY, USA, 1995. ISBN 0-89791-699-9. LCCN QA 76.95 I59 1995. ACM order number: 505950.</p> |
|---|--|

- | | |
|---|---|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">Levandovskyy:2010:NCS</div> <p>[Lev10] Viktor Levandovskyy. Non-commutative subsystems of SINGULAR. <i>ACM Communications in Computer Algebra</i>, 44(3):125–126, September 2010. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Levin:2015:GGB</div> <p>[Lev15a] Alexander Levin. Generalized Gröbner bases and dimension polynomials of modules over some finitely generated non-commutative algebras. <i>ACM Communications in Computer Algebra</i>, 49(1):26, March 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Levin:2015:MGC</div> <p>[Lev15b] Alexander Levin. Method of generalized characteristic sets and multivariate dimension polynomials of differential field extensions with a group action. <i>ACM Communications in Computer Algebra</i>, 49(1):34, March 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Lewis:2000:CPO</div> <p>[Lew00] Robert H. Lewis. Comparison of polynomial-oriented computer algebra systems. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 34(1):24, March 2000. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">Lewis:2004:UFS</div> <p>[Lew04] Robert H. Lewis. Using Fermat to solve large polynomial and matrix problems. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 38(1):27–28, March 2004. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Lewis:2008:CAT</div> <p>[Lew08] Robert Lewis. Comparing acceleration techniques for the Dixon and Macaulay resultants (abstract only). <i>ACM Communications in Computer Algebra</i>, 42(1–2):79–81, March/June 2008. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Leykin:2010:AOC</div> <p>[Ley10] Anton Leykin. Abstract only: Certified numerical solving of systems of polynomial equations. <i>ACM Communications in Computer Algebra</i>, 44(2):24, June 2010. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Leykin:2016:PHC</div> <p>[Ley16] Anton Leykin. Polynomial homotopy continuation in Macaulay2. <i>ACM Communications in Computer Algebra</i>, 50(3):113–116, September 2016. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).</p> |
|---|---|

- Lange-Hegermann:2015:CSD**
- [LH15] Markus Lange-Hegermann. Counting solutions of differential equations. *ACM Communications in Computer Algebra*, 49(1):25–26, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Li:1992:NDB**
- [Li92] Wei Li. Nonexistence of degree bounds of various bases for ideals of polynomials over the integers. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 26(1):4–9, January 1992. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Li:2009:THP**
- [Li09] Xin Li. Toward high-performance polynomial system solvers based on triangular decompositions. *ACM Communications in Computer Algebra*, 43(4):120, December 2009. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Li:2015:TAD**
- [Li15] Yinghong Li. Theories and algorithms for difference and differential Chow form. *ACM Communications in Computer Algebra*, 49(3):108–109, September 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Lichtenberger:1984:SES**
- F. Lichtenberger. Self-explanatory symbolic computation for math education. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 18–19(4–1):23–24, November/February 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Lichtblau:2011:SDI**
- Daniel Lichtblau. Symbolic definite (and indefinite) integration: methods and open issues. *ACM Communications in Computer Algebra*, 45(1):1–16, March 2011. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Lichtblau:2015:HSD**
- Daniel Lichtblau. The hazards of symbolic definite integration (a continuing saga). *ACM Communications in Computer Algebra*, 49(1):35, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Lin:1998:AAAA**
- Shu Lin. Announcements: Applied Algebra Algebraic Algorithms Error-Correcting Codes, Honolulu, Hawaii (USA) — 14–19 November 1999. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 32(3):31, September 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

- | | |
|---|---|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">Lin:1998:AAAb</div> <p>[Lin98b] Shu Lin. Announcements: Applied Algebra Algebraic Algorithms Error-Correcting Codes, Honolulu, Hawaii (USA) — 14–19 November 1999. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 32(4):31, December 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Linton:2007:GGA</div> <p>[Lin07] Steve Linton. GAP: groups, algorithms, programming. <i>ACM Communications in Computer Algebra</i>, 41(3):108–109, September 2007. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Liu:2015:RGB</div> <p>[Liu15] Yue Liu. Research on Gröbner basis of the defining ideal of polynomial ring in quaternionic variables. <i>ACM Communications in Computer Algebra</i>, 49(3):108, September 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Li:2008:GBM</div> <p>[LLG08] Dongmei Li, Jinwang Liu, and Shuhong Gao. The w-Gröbner bases and monomial ideal under polynomial composition (abstract only). <i>ACM Communications in Computer Algebra</i>, 42(1–2):81–82, March/June 2008. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">Llo84</div> <p>[Llo84] R. Llopis de Trias. A new generation of symbolic and algebraic computation systems. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 18(2):12–14, May 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Lavasani:2008:IFA</div> <p>[LM08] Ahmad Lavasani and Reza Mohammadi. Implementing a feasible attack against ECC2K-130 certicom challenge (abstract only). <i>ACM Communications in Computer Algebra</i>, 42(1–2):61–62, March/June 2008. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Labahn:2012:GWC</div> <p>[LM12] George Labahn and Johannes Middeke. Gröbner walk for computing matrix normal forms over Ore polynomials. <i>ACM Communications in Computer Algebra</i>, 46(3–4):106–107, September 2012. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Llorente:2012:NSM</div> <p>[LMF12] Alberto Llorente and Jorge Mozo-Fernández. Numeric-symbolic methods for computing the Liouvillian solutions of differential equations and systems. <i>ACM Communications in Computer Algebra</i>, 46(3–4):</p> |
|---|---|

- 112–113, September 2012. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Li:2008:MLB**
- [LMRS08] Xin Li, Marc Moreno Maza, Raqeeb Rasheed, and Éric Schost. The `modpn` library: bringing fast polynomial arithmetic into MAPLE. *ACM Communications in Computer Algebra*, 42(3):172–174, September 2008. CODEN ??? ISSN 1932-2232 (print), 1932-2240 (electronic). [LN76]
- Lebreton:2012:CCC**
- [LMS12] Romain Lebreton, Esmaeil Mehrabi, and Éric Schost. On the complexity of computing certain resultants. *ACM Communications in Computer Algebra*, 46(3–4):108–109, September 2012. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Laskari:2005:TTC**
- [LMTV05] E. C. Laskari, G. C. Meletiou, D. K. Tasoulis, and M. N. Vrahatis. Transformations of two cryptographic problems in terms of matrices. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 39(4):127–130, December 2005. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). [Lob96]
- Lemaire:2005:RLM**
- [LMX05] F. Lemaire, M. Moreno Maza, and Y. Xie. The RegularChains library in MAPLE. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 39(3):96–97, 2005. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). ISSAC 2005 poster abstract.
- Loos:1976:GTC**
- Rüdiger Loos and J. Neubüser. Group theoretical computations in mathematical crystallography. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 10(4):11–18, November 1976. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). [Lobo:1996:FRA]
- Austin Lobo. Formal review of articles in the BULLETIN. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 30(3):2–3, September 1996. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Lobo:1997:CLA**
- Austin Lobo. Computer linear algebra. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(3):3, September 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

- | | | | |
|----------|--|----------|--|
| | Loos:1972:AAD | | Loos:1977:MUC |
| [Loo72a] | <p>Rüdiger Loos. Algebraic algorithm descriptions as programs. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, ??(23):16–24, July 1972. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> | [Loo77a] | <p>Rüdiger Loos. 1977 MAC-SYMA users' conference. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 11(2):7–13, May 1977. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> |
| | Loos:1972:ATT | | Loos:1977:A |
| [Loo72b] | <p>Rüdiger Loos. Analytic treatment of three similar Fredholm integral equations of the second kind with Reduce 2. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, ??(21):32–40, January 1972. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> | [Loo77b] | <p>Rüdiger Loos. Abstracts. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 11(1):3–7, February 1977. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> |
| | Loos:1974:TFI | | Loos:1977:AA |
| [Loo74] | <p>Ruediger G. K. Loos. Toward a formal implementation of computer algebra. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 8(3):9–16, August 1974. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> | [Loo77c] | <p>Rüdiger Loos. ABSTRACTS (amsterdam 78). <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 11–12(4–1):3–6, November and February 1977. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> |
| | Loos:1975:PCP | | Loos:1977:ARN |
| [Loo75] | <p>Rudiger Loos. Problem #10: the cattle problem of Archimedes. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 9(3):11–12, August 1975. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> | [Loo77d] | <p>Rüdiger Loos. Abstracts (REDUCE newsletter 1.1978). <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 11–12(4–1):86–88, November and February 1977. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> |

- Loos:1977:ASA**
- [Loo77e] Rüdiger Loos. Author's solution of Archimedes' cattle problem. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 11(1):4–7, February 1977. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Lounesto:1984:CAV**
- [Lou84] Pertti Lounesto. A computer-aided vector algebra system for use in high schools. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 18–19 (4–1):25, November/February 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Li:2008:SSF**
- [LOW08] Ziming Li, Martin Ondera, and Huaifu Wang. Simplifying skew fractions modulo differential and difference relations. *ACM Communications in Computer Algebra*, 42(3):164–165, September 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Lewis:2015:ADR**
- [LPA15] Robert H. Lewis, Bela Paláncz, and Joseph Awange. Application of Dixon resultant to maximization of the likelihood function of Gaussian mixture distribution. *ACM Communications in Computer Algebra*, 49 (2):57, June 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Lamban:1999:SSE**
- [LPR99] L. Lambán, V. Pascual, and J. Rubio. Simplicial sets in the EAT system. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(3):17, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Labahn:1998:PSA**
- [LR98] George Labahn and Mohamed Omar Rayes. Poster session abstracts of the 1998 International Symposium on Symbolic and Algebraic Computation, ISSAC '98, Rostock, German, August 13–15, 1998. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 32(2):49–51, June 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Leler:1985:IGI**
- [LS85] Wm Leler and Neil Soiffer. An interactive graphical interface for Reduce. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 19(3):17–23, August 1985. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

- Levandovskyy:2003:UCA**
- [LS03] Viktor Levandovskyy and Hans Schönemann. Using computer algebra system SINGULAR:PLURAL for computations in noncommutative polynomial algebras. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 37(3):77–78, September 2003. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Lecerf:2016:SSK**
- [LS16] Grégoire Lecerf and Joelle Saadé. A short survey on Kantorovich: like theorems for Newton’s method. *ACM Communications in Computer Algebra*, 50(1):1–11, March 2016. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Lefevre:2010:LTL**
- [LTdD⁺10] Vincent Lefèvre, Philippe Théveny, Florent de Dinechin, Claude-Pierre Jeannerod, Christophe Mouilleron, David Pfannholzer, and Nathalie Revol. LEMA: towards a language for reliable arithmetic. *ACM Communications in Computer Algebra*, 44(2):41–52, June 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Lubbes:2011:MFC**
- [Lub11] Nils Lubbes. Minimal families of curves on surfaces. *ACM Communications in Computer Algebra*, 45(3–4):238–239, September 2011. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Ludeman:1969:PUP**
- [Lud69] M. M. Ludeman. PL/I utility programs for Formac applications. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, ??(12):53–58, July 1969. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Lüneburg:1984:WB**
- [Lün84] Heinz Lüneburg. Write a book! *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 18(2):34, May 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Liu:1994:HCBa**
- [Liu94a] Zhuojun Liu and Paul S. Wang. Height as a coefficient bound for univariate polynomial factors (Part I). *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 28(2):20–27, August 1994. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

- [LW94b] Zhuojun Liu and Paul S. Wang. Height as a coefficient bound for univariate polynomial factors (Part II). *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 28(3–4):1–9, December 1994. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Liu:1994:HCBb**
- [LW16] Liwei Li and Paul S. Wang. The CL-PVM package. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 29(3–4):2–8, December 1995. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Li:1995:CPP**
- [LW95] Ziming Li, Min Wu, and Dabin Zheng. Testing linear dependence of hyperexponential elements. *ACM Communications in Computer Algebra*, 41(1–2):3–11, March–June 2007. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Li:2007:TLD**
- [LW99] Robert H. Lewis and Michael Wester. Comparison of polynomial-oriented computer algebra systems. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(4):5–13, December 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Lewis:1999:CPO**
- [LYG12] Wei Li, Chun-Ming Yuan, and Xiao-Shan Gao. Sparse differential resultant for Laurent differential polynomials. *ACM Communications in Computer Algebra*, 46(3–4):110–111, September 2012. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Li:2012:SDR**
- [LW08] Xun Lai and Paul S. Wang. GeometryEditor: a Web-based interactive geometry manipulative authoring system (abstract only). *ACM Communications in Computer Algebra*, 42(1–2):78–79, March/June 2008. CODEN SIGSBZ.
- Lai:2008:GWB**
- [LZ05] Ziming Li and Dabin Zheng. Computation with hyperexponential functions. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 39(3):84–85, 2005. CODEN SIGSBZ.
- Li:2005:CHF**

- ISSN 0163-5824 (print), 1557-9492 (electronic). ISSAC 2005 poster abstract.
- Moritsugu:2008:GTP**
- [MA08] Shuichi Moritsugu and Chisato Arai. Geometry theorem proving by Gröbner bases: using ideal decompositions. *ACM Communications in Computer Algebra*, 42(3):158–159, September 2008. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- MacCallum:1989:CPA**
- [Mac89] Malcolm A. H. MacCallum. Comments on the performance of algebra systems in general relativity and a recent paper by Nielsen and Pedersen. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 23(2):22–25, April 1989. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Madore:1992:RAM**
- [Mad92] Blair F. Madore. Report on the 10th Annual Maple Retreat, June 13–17, 1992. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 26(3):7–8, August 1992. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Maddah:2015:FSC**
- [Mad15a] Suzy S. Maddah. Formal solutions of completely integrable Pfaffian systems with normal crossings. *ACM Communications in Computer Algebra*, 49(1):26–27, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Maddah:2015:FRS**
- [Mad15b] Suzy S. Maddah. On the formal reduction of singularly-perturbed linear differential systems. *ACM Communications in Computer Algebra*, 49(1):31, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Maeder:1987:SBV**
- [Mae87a] R. E. Maeder. Solving boundary-value problems with perturbations. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 21(3):16–18, August 1987. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Maeder:1987:CPM**
- [Mae87b] Roman E. Maeder. A collection of projects for the mathematical laboratory. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 21(3):12–94, August 1987. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Maignan:1999:RSI**
- [Mai99] A. Maignan. Real solving of ill-conditioned sine-polynomials equations. *SIGSAM Bulletin*

- (ACM Special Interest Group on Symbolic and Algebraic Manipulation), 33(3):17, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- [Mai15]** Annette Maier. Parameterized differential equations and patching. *ACM Communications in Computer Algebra*, 49(1):27, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- [Man77]** Kenneth L. Manders. The impact of complexity theory on algorithms for sparse polynomials. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 11(1):8–15, February 1977. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- [Man10]** Montserrat Manubens. Abstract only: Parametric polynomial system discussion: canonical comprehensive Gröbner systems. *ACM Communications in Computer Algebra*, 44(1):11–12, March 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- [Man11]** Angelos Mantzaflaris. Robust algebraic methods for geometric computing. *ACM Communications in Computer Algebra*, 45(3–4):237, September 2011. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- [Mat10]** Deborah Mathews. Abstract only: An empirical study of parallel big number arithmetic. *ACM Communications in Computer Algebra*, 44(2):25, June 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- [May11]** John May. East Coast Computer Algebra Day 2011 abstracts. *ACM Communications in Computer Algebra*, 45(2):100–106, June 2011. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- [Man15a]** Felice Manganiello. Network coding via skew polynomials. *ACM Communications in Computer Algebra*, 49(1):15, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- [Manon:2015:HCH]** Chris Manon. Horospherical contraction and Hamiltonian functions on an algebraic group. *ACM Communications in Computer Algebra*, 49(2):59, June 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- [Mathews:2010:AOE]** Deborah Mathews. Abstract only: An empirical study of parallel big number arithmetic. *ACM Communications in Computer Algebra*, 44(2):25, June 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- [May:2011:ECC]** John May. East Coast Computer Algebra Day 2011 abstracts. *ACM Communications in Computer Algebra*, 45(2):100–106, June 2011. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).

- Mazzarella:1985:ISO**
- [Maz85] Giuseppe Mazzarella. Improved simplification of odd and even functions in REDUCE. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 19(2):29–30, May 1985. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Maza:2015:DAG**
- [Maz15] Marc Moreno Maza. Doing algebraic geometry with the RegularChains library. *ACM Communications in Computer Algebra*, 49(2):54, June 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Mordukhai-Boltovskoi:1981:GII**
- [MBKP81] D. Mordukhai-Boltovskoi, Boris Korenblum, and Myra Prelle. A general investigation of integration in finite form of differential equations of the first order article 1. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 15(2):20–32, May 1981. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- McCleary:2015:LAA**
- [MBS15] Ryan McCleary, Martin Brain, and Aaron Stump. A lazy approach to adaptive exact real arithmetic using floating-point operations. *ACM Communications in Computer Algebra*, 49(3):83–86, September 2015.
- Montes:1995:SLF**
- [MC95] Antonio Montes and Jordi Castro. Solving the load flow problem using the Gröbner basis. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 29(1):1–13, January 1995. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- McCarthy:1973:PKP**
- D. P. McCarthy. Problem #6 — the Kiang problem. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, ??(28):12, December 1973. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- McCallum:1997:FIR**
- Scott McCallum. Factors of iterated resultants and discriminants. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(3):33–34, September 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). Poster abstract only.
- McGeer:1984:DIB**
- Patrick C. McGeer. A discussion and implementation of Brown’s REX simplification algorithm. *SIGSAM Bulletin (ACM Special Interest*

- Group on Symbolic and Algebraic Manipulation),* 18(1):10–19, February 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- McGettrick:2004:OGB**
- [McG04] Michael McGettrick. Online Gröbner basis [OGB]. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 38(1):19–21, March 2004. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- McIsaac:1985:PMA**
- [McI85] Kevin McIsaac. Pattern matching algebraic identities. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 19(2):4–13, May 1985. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Moir:2015:UPR**
- [MCJ15] Robert H. C. Moir, Robert M. Corless, and David J. Jeffrey. Unwinding paths on the Riemann sphere for continuous integrals of rational functions. *ACM Communications in Computer Algebra*, 49(1):35, March 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- McNamee:2004:CMA**
- [McN04] John Michael McNamee. A comparison of methods for accurate summation. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 38(1):1–7, March 2004. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). URL <http://www.acm.org/sigs/sigSAM/bulletin/repository/issue147.pdf>.
- Marquez-Corbella:2015:ECP**
- [MCP15] Irene Márquez-Corbella and Ruud Pellikaan. Error-correcting pairs: a new approach to code-based cryptography. *ACM Communications in Computer Algebra*, 49(1):21, March 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Medvedev:2015:DDA**
- [Med15] Alice Medvedev. Dimensions of difference-algebraic groups. *ACM Communications in Computer Algebra*, 49(1):27, March 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Meng:2016:ARD**
- [Men16] Lingchuan Meng. Abstracts of recent doctoral dissertations in computer algebra. *ACM Communications in Computer Algebra*, 50(1):40–42, March 2016. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Meunier:2003:MFS**
- [Meu03] Ludovic Meunier. MAD: a flexible system for authoring mathematical documents. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 37(1):1–7, March 2003. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

- gebraic Manipulation),* 37(3):79–81, September 2003. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Marti:1983:RCM**
- [MF83] Jed Marti and John Fitch. REDUCE 2 for CP/M. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 17(1):26–27, 37, February 1983. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Moritsugu:1989:NPF**
- [MG89] Shuichi Moritsugu and Eiichi Goto. A note on the preconditioning for factorization of homogeneous polynomials. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 23(1):9–12, January 1989. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Moufek:2015:MCB**
- [MG15] Hamza Moufek and Kenza Guenda. McEliece cryptosystem based on punctured convolutional codes and the pseudo-random generators. *ACM Communications in Computer Algebra*, 49(1):21, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- May:2008:AVO**
- [MGR⁺08] John P. May, Mark Giesbrecht, Daniel Roche, Marc Moreno Maza, and Yuzhen Xie. Automatic variable order selection for polynomial system solving (abstract only). *ACM Communications in Computer Algebra*, 42(1–2):83, March/June 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Marti:1985:RLB**
- [MH85] Jed B. Marti and Anthony C. Hearn. REDUCE as a Lisp benchmark. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 19(3):8–16, August 1985. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Marti:1980:SLR**
- [HGG80] J. Marti, A. C. Hearn, M. L. Griss, and C. Griss. Standard Lisp report. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 14(1):23–43, February 1980. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Middeke:2011:CVN**
- [Mid11] Johannes Middeke. A computational view on normal forms of matrices of Ore polynomials. *ACM Communications in Computer Algebra*, 45(3–4):190–191, September 2011. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Middeke:2013:AMI**
- [Mid13] Johannes Middeke. Annihilating monomials with the

- integro-differential Weyl algebra. *ACM Communications in Computer Algebra*, 47(3–4):116–117, September 2013. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Mignotte:1977:HFA**
- [Mig77] Maurice Mignotte. How to find algebraic integers whose conjugates lie near the unit circle? *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 11–12(4–1):9–10, November and February 1977. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Mignotte:1980:FUP**
- [Mig80a] Maurice Mignotte. Factorization of univariate polynomials: a statistical study. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 14(4):41–44, November 1980. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Mignotte:1980:TP**
- [Mig80b] Maurice Mignotte. Tests for polynomials. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 14(1):21–22, February 1980. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Mignotte:1987:IAF**
- [Mig87] Maurice Mignotte. Inequalities about factors of integer polyno-
- mials. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 21(4):24, November 1987. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Minimair:2004:MMR**
- [Min04] Manfred Minimair. MR: Macaulay Resultant package for Maple. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 38(1):26–27, March 2004. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Minimair:2015:CCA**
- [Min15] Manfred Minimair. Collaborative computer algebra systems. *ACM Communications in Computer Algebra*, 49(2):56–57, June 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Miola:1974:USC**
- [Mio74] Alfonso Miola. The use of symbolic computation in solving free boundary problems by the Ritz–Galerkin method. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 8(3):103–104, August 1974. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Miola:1981:BSW**
- [Mio81] A. M. Miola. A bibliography of Soviet works in algebraic ma-

- nipulations. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 15(1):5–7, February 1981. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Miola:1982:CHC**
- [Mio82] Alfonso M. Miola. The conversion of Hensel codes to their rational equivalents (or how to solve the Gregory's open problem). *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 16(4):24–26, November 1982. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Miola:1984:CIA**
- [Mio84] Alfonso Miola. Complexity issues in algebraic algorithms: relevant topics for mathematical education. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 18–19(4–1):26–30, November/February 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Miola:1988:RPA**
- [Mio88] A. Miola. Report on previous activities at AAECC. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 22(1):32–43, January 1988. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- [MJ13]
- [MJ14]
- [MK96]
- Meng:2013:TPG**
- Lingchuan Meng and Jeremy Johnson. Towards parallel general-size library generation for polynomial multiplication. *ACM Communications in Computer Algebra*, 47(3–4):106–107, September 2013. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Middeke:2014:FFF**
- Johannes Middeke and David J. Jeffrey. Fraction-free factoring revisited. *ACM Communications in Computer Algebra*, 48(3/4):130–132, September 2014. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Meng:2010:AOS**
- Lingchuan Meng, Jeremy Johnson, Franz Franchetti, Yevgen Voronenko, Marc Moreno Maza, and Yuzhen Xie. Abstract only: SPIRAL-generated modular FFTs. *ACM Communications in Computer Algebra*, 44(2):25–26, June 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Manocha:1996:SAS**
- Dinesh Manocha and Shankar Krishnan. Solving algebraic systems using matrix computations. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 30(4):4–21, December 1996. CODEN SIGSBZ. ISSN

- 0163-5824 (print), 1557-9492 (electronic).
- Moritsugu:1989:NNE**
- [MM89] Shuichi Moritsugu and Makoto Matsumoto. A note on the numerical evaluation of arctangent function. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 23(3): 8–12, July 1989. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Martinez-Moro:2015:MCP**
- [MMNR15] Edgar Martínez-Moro, Alejandro P. Nicolás, and Ignacio F. Rúa. Multivariable codes in principal ideal polynomial quotient rings. *ACM Communications in Computer Algebra*, 49(1):15, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Marcelo:1999:RPS**
- [MMR99] A. Marcelo, F. Marcelo, and C. Rodríguez. Radicals of primary submodules. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(3): 17, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Martinez-Moro:2015:LCZ**
- [MMSY15] Edgar Martínez-Moro, Steve Szabo, and Bahattin Yıldız. Linear codes over $Z_4[x]/\langle x^2 - 2x \rangle$: dual preserving maps and images as codes over Z_4 . *ACM Communications in Computer Algebra*, 49(1):16, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Communications in Computer Algebra**, 49(1):16, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Moenck:1978:LLB**
- [Moe78] Robert Moenck. Is a linked list the best storage structure for an algebra system? *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 12(3): 20–24, August 1978. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Moeller:1999:GNZ**
- [Moe99] Michael Moeller. Good nonzeros of polynomials. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(3): 10–11, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Monagan:1993:GFC**
- [Mon93a] Michael B. Monagan. von zur Gathen's factorization challenge. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 27(2):13–18, April 1993. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Montes:1993:NCS**
- [Mon93b] Antonio Montes. Numerical conditioning of a system of algebraic equations with a finite number of solutions using Gröbner bases. *SIGSAM Communications in Computer Algebra*, 27(2):13–18, April 1993. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

- Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 27(1):12–19, January 1993. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Monagan:1996:MSI**
- [Mon96] M. Monagan. MapleTech special issue. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 30(1):63, March 1996. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Montes:2001:ASS**
- [Mon99] A. Montes. Basic algorithms for specialization in Gröbner bases. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(3):18, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Montes:2001:ASS**
- [Mon01] Antonio Montes. Abstracts of the Sixth Spanish Meeting on Computer Algebra and Applications: EACA-2000 [Barcelona, Spain, September 6–8, 2001]. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 35(4):10–23, December 2001. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). URL <http://www.unirioja.es/dptos/dmc/eaca2000>.
- [Mor87] S. Moritsugu. On the power series solution of a system of algebraic equations. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 21(4):14–23, November 1987. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Moritsugu:1987:PSS**
- [Mor89] T. Mora, editor. *Applied Algebra, Algebraic Algorithms and Error-Correcting Codes. 6th International Conference, AAECC-6, Rome, Italy, July 4–8, 1988. Proceedings*, volume 357 of *Lecture Notes in Computer Science*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1989. ISBN 3-540-51083-4. LCCN QA268 .A35 1988. Conference held jointly with ISSAC '88.
- Mora:1989:AAA**
- [Mor99] G. Fleitas Morales. Algorithms to compute the eigenvalues of a p -adic matrix. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 35(4):10–23, December 2001. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Morales:1999:ACE**
- [Mon11] Antonio Montes. Software for computing the Gröbner cover of a parametric ideal. *ACM Communications in Computer Algebra*, 45(3–4):180–182, September 2011. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Montes:2011:SCG**

- gebraic Manipulation),* 33(3):15, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Mora:2002:IPI**
- [Mor02] Teo Mora, editor. *ISSAC 2002: Proceedings of the 2002 International Symposium on Symbolic and Algebraic Computation, July 07–10, 2002, Université de Lille, Lille, France.* ACM Press, New York, NY, USA, 2002. ISBN 1-58113-484-3. LCCN QA76.95. URL <http://www.lifl.fr/ISSAC2002/>.
- Moritsugu:2010:RCI**
- [Mor10] Shuichi Moritsugu. Radius computation for an inscribed pentagon in Sanpou-Hakki (1690). *ACM Communications in Computer Algebra,* 44(3):127–128, September 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Moses:1969:ICS**
- [Mos69] Joel Moses. The integration of a class of special functions with the Risch algorithm. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation),* ??(13):14–27, December 1969. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Moses:1970:FFL**
- [Mos70a] Joel Moses. The function of FUNCTION in LISP or why the FUNARG problem should be called the environment problem. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation),* ??(15):13–27, July 1970. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Moses:1970:SFS**
- [Mos70b] Joel Moses. Summary of the 1969 FJCC SIGSAM-SIGART technical session. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation),* ??(14):4–10, January 1970. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Moses:1974:MFY**
- [Mos74] Joel Moses. MACSYMA — the fifth year. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation),* 8(3):105–110, August 1974. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Mourrain:2001:IJU**
- [Mou01] Bernard Mourrain, editor. *ISSAC 2001: July 22–25, 2001, University of Western Ontario, London, Ontario, Canada: proceedings of the 2001 International Symposium on Symbolic and Algebraic Computation.* ACM Press, New York, NY, USA, 2001. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

- | | |
|---|---|
| <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> Monagan:2010:SPM </div> <p>[MP10] Michael Monagan and Roman Pearce. Sparse polynomial multiplication and division in Maple 14. <i>ACM Communications in Computer Algebra</i>, 44(4):205–209, December 2010. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> Maza:2011:SBP </div> <p>[MP11] Marc Moreno Maza and Wei Pan. Solving bivariate polynomial systems on a GPU. <i>ACM Communications in Computer Algebra</i>, 45(2):127–128, June 2011. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> Monagan:2012:PNP </div> <p>[MP12] Michael Monagan and Roman Pearce. POLY: a new polynomial data structure for Maple 17. <i>ACM Communications in Computer Algebra</i>, 46(3–4):164–167, September 2012. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> Monagan:2014:DMS </div> <p>[MP14] Michael Monagan and Roman Pearce. The design of Maple’s sum-of-products and POLY data structures for representing mathematical objects. <i>ACM Communications in Computer Algebra</i>, 48(3/4):166–186, September 2014. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).</p> | <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> Monagan:2010:SPM </div> <p>[MPW97] [MPW97]</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> Maurer:1997:LLC </div> <p>Markus Maurer, Thomas Pfahler, and Susanne Wetzel. LiDIA — a library for computational number theory. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 31(3):54–57, September 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). Poster abstract only.</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> Muller-Quade:1998:CIF </div> <p>Jörn Müller-Quade and Thomas Beth. Computing the intersection of finitely generated fields. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 32(2):62, June 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). Abstract only.</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> Mora:1984:IBC </div> <p>Ferdinando Mora and Lorenzo Robbiano. The interplay between commutative algebra and computer algebra. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 18(2):15, May 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> McGrail:2008:TCM </div> <p>Robert W. McGrail and Mary Sharac. Tricoloring as a corrective measure (abstract only). <i>ACM Communications in Computer Algebra</i>, 42(3/4):187–188, September 2008. CODEN SIGSBZ. ISSN 1932-2232 (print), 1932-2240 (electronic).</p> |
|---|---|

- in Computer Algebra*, 42(1–2): 83–85, March/June 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Maignan:2016:FGL**
- [MS16] Aude Maignan and Tony C. Scott. Fleshing out the generalized Lambert W function. *ACM Communications in Computer Algebra*, 50(2):45–60, June 2016. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Myllari:2005:VDS**
- [MSP05] Aleksandr Mylläri, Tapio Salakoski, and Alexey Pasechnik. On the visualization of the DNA sequence and its nucleotide content. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 39(4):131–135, December 2005. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Morel:2008:LRB**
- [MSV08] Ivan Morel, Damien Stehlé, and Gilles Villard. From an LLL-reduced basis to another. *ACM Communications in Computer Algebra*, 42(3): 142–143, September 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Monagan:2015:USI**
- [MT15] Michael Monagan and Baris Tuncer. Using sparse interpolation to solve multivariate diophantine equations. *ACM Communications in Computer Algebra*, 49(3):94–97, September 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Murao:2000:AAE**
- Hirokazu Murao. $2W$ -ary algorithm for extended problem of integer GCD. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 34(1):25, March 2000. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Murakami:2009:CFT**
- Hiroshi Murakami. A continued fraction type method to find a rational number in a given closed interval whose denominator is minimal. *ACM Communications in Computer Algebra*, 43(3):88–90, September 2009. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Murakami:2010:SRC**
- Hiroshi Murakami. Sturm root counting using Chebyshev expansion. *ACM Communications in Computer Algebra*, 44(3):129–131, September 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Murakami:2014:CRN**
- Hiroshi Murakami. Calculation of rational numbers in an interval whose denominator is

- the smallest by using FP interval arithmetic. *ACM Communications in Computer Algebra*, 48(3/4):134–136, September 2014. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Maza:2011:IMM**
- [MV11] Marc Moreno Maza and Paul Vrbik. Inverting matrices modulo regular chains. *ACM Communications in Computer Algebra*, 45(2):129–130, June 2011. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Maza:2009:BDP**
- [MX09] Marc Moreno Maza and Yuzhen Xie. Balanced dense polynomial multiplication on multicores. *ACM Communications in Computer Algebra*, 43(3):85–87, September 2009. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Miola:1974:CAH**
- [MY74] Alfonso Miola and David Y. Y. Yun. Computational aspects of Hensel-type univariate polynomial greatest common divisor algorithms. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 8(3):46–54, August 1974. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Myllari:2005:SEH**
- [Myl05] Aleksandr Mylläri. Stability of expanding homographic config-
- urations: 3D case. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 39(4):136–138, December 2005. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Mitrofanov:1997:SMB**
- [MZ97] V. A. Mitrofanov and E. V. Zima. Standalone MCR-based numerical engine. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(3):59–60, September 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). Poster abstract only.
- Nabeshima:2007:PPC**
- [Nab07] Katsusuke Nabeshima. PGB: a package for computing parametric Gröbner and related objects. *ACM Communications in Computer Algebra*, 41(3):104–105, September 2007. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Nagasaka:2004:TMA**
- [Nag04] Kosaku Nagasaka. Towards more accurate separation bounds of empirical polynomials. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 38(4):119–129, December 2004. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

- Nagasaki:2007:SPM**
- [Nag07] Kosaku Nagasaka. SNAP package for Mathematica. *ACM Communications in Computer Algebra*, 41(3):105–106, September 2007. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Nagasaki:2008:APG**
- [Nag08] Kosaku Nagasaka. Approximate polynomial GCD over integers. *ACM Communications in Computer Algebra*, 42(3):124–126, September 2008. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Nagasaki:2012:BEA**
- [Nag12] Kosaku Nagasaka. Backward error analysis of approximate Gröbner basis. *ACM Communications in Computer Algebra*, 46(3–4):116–117, September 2012. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Namba:1986:SIU**
- [Nam86] K. Namba. Some improvements on Utah standard LISP. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 20(1–2):29–36, February/May 1986. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Nataf:1992:ASN**
- [Nat92] Jean-Michel Nataf. Algorithm of simplification of nonlinear equations systems. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 26(3):9–16, August 1992. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Neidleman:1971:UEF**
- [Nei71] L. D. Neidleman. A user’s examination of the formula manipulation language — SYMBAL. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, ??(20):8–24, October 1971. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Neubuser:1969:SSC**
- [Neu69] Joachim Neubüser. From the SIGSAM Subcommittee on Computation of Algebraic Structures. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, ??(12):17, July 1969. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Neubuser:1980:SRP**
- [Neu80] J. Neubüser. Some remarks on a proposed taxonomy for algebraic computation. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 14(1):19–20, February 1980. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

- Nievergelt:1969:NML**
- [NFIS69] J. Nievergelt, F. Fischer, M. I. Irland, and J. R. Sidlo. NUCLEOL — a minimal list processor. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, ??(12):40–52, July 1969. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Ng:1974:SIC**
- [Ng74] Edward W. Ng. Symbolic integration of a class of algebraic functions. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 8(3):99–102, August 1974. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Ng:1979:SAC**
- [Ng79] Edward W. Ng, editor. *Symbolic and algebraic computation: EUROSAM '79, an International Symposium on Symbolic and Algebraic Manipulation, Marseille, France, June 1979*, volume 72 of *Lecture Notes in Computer Science*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1979. CODEN LNCSD9. ISBN 0-387-09519-5. ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN QA155.7.E4 E88 1979.
- Ngo:2011:RGS**
- [Ngô11] L. X. Châu Ngô. Rational general solutions of first-order algebraic ODEs. *ACM Communications in Computer Algebra*, 45(3–4):238, September 2011. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Nievergelt:1970:SGP**
- [Nie70] J. Nievergelt. Software for graph processing. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, ??(14):11–12, January 1970. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Nievergelt:1984:CGO**
- [Nie84] J. Nievergelt. Computing with geometric objects. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 18(2):19, 18, May 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Nagasaki:2013:RQC**
- [NM13] Kosaku Nagasaki and Takaaki Masui. Revisiting QRGCD and comparison with ExQRGCD. *ACM Communications in Computer Algebra*, 47(3–4):88–89, September 2013. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Noda:1997:AMC**
- [NMS97] Matu-Tarow Noda, Isao Makino, and Toshiaki Saito. Algebraic methods for computing a generalized inverse. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Al-*

- gebraic Manipulation),* 31(3): 51–52, September 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). Poster abstract only.
- Newman:1991:WLS**
- [NO91] M. F. Newman and E. A. O'Brien. The Wielandt length of some 3-groups. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 25(1): 50–51, January 1991. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Noda:1996:R**
- [Nod96a] M-T Noda. RIMS '94. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 30(1): 50–56, March 1996. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Noda:1996:AJC**
- [Nod96b] Matu-Tarow Noda. Abstracts of Japanese computer algebra meeting in Kyoto. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 30(2): 36–43, June 1996. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Norman:1975:SP**
- [Nor75a] A. C. Norman. Solutions to problem 8. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 9(1):7–9, February 1975. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Norman:1975:SPS**
- Arthur C. Norman. The SCRATCHPAD power series package. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 9(1):13–20, February 1975. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Norman:1978:TRS**
- Arthur Norman. Towards a REDUCE solution to SIGSAM problem 7. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 12(4): 14–18, November 1978. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Norman:1979:TWS**
- A. C. Norman. Testing word-sized numbers for primality. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 13(4):19–20, November 1979. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Norton:1980:NAL**
- Lewis M. Norton. A note about Laplace transform tables for computer use. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 14(1):1–2, March 1980. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

- gebraic Manipulation),* 14(2): 30–31, May 1980. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Norfolk:1982:SCR**
- [Nor82] Timothy S. Norfolk. Symbolic computation of residues at poles and essential singularities. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 16(1):17–23, February 1982. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Novocin:2008:FUPa**
- [Nov08] Andrew Novocin. Factoring univariate polynomials over the rationals (abstract only). *ACM Communications in Computer Algebra*, 42(1–2): 85, March/June 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Nielsen:1988:NEM**
- [NP88] Birger Nielsen and Hendrik Pedersen. A note on Einstein metrics — a simple application of a symbolic algebra system. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 22(1):7–11, January 1988. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Nakayama:2009:DDB**
- [NS09] Hiroki Nakayama and Hiroshi Sekigawa. Determining divisibility between polynomials with inexact coefficients. *ACM Communications in Computer Algebra*, 43(3):91–94, September 2009. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Nakos:1997:FFA**
- [NTW97] George C. Nakos, Peter R. Turner, and Robert M. Williams. Fraction-free algorithms for linear and polynomial equations. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(3):11–19, September 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Novocin:2008:FUPb**
- [NvH08] Andy Novocin and Mark van Hoeij. Factoring univariate polynomials over the rationals. *ACM Communications in Computer Algebra*, 42(3):157, September 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Norman:1983:CVR**
- [NW83] Arthur C. Norman and Paul S. Wang. A comparison of the Vaxima and Reduce factorization packages. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 17(1): 28–30, February 1983. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

- Noro:2003:IPD**
- [NY03] Masayuki Noro and Kazuhiro Yokoyama. Implementation of prime decomposition of polynomial ideals over small finite fields. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 37(3):81–82, September 2003. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- OBrien:1991:PEA**
- [O'B91] E. A. O'Brien. Providing electronic access to group descriptions. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 25(1):52–56, January 1991. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Okumura:1997:AGB**
- [Oku97] Kohshi Okumura. An application of Gröbner bases to the classification of nonlinear circuits. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(3):61, September 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). Poster abstract only.
- Ollongren:1984:CEI**
- [Oll84] Alexander Ollongren. Classroom experience with interactive formula manipulation. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 18-19(4-1):31–37, November/February 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Oren:1984:FSA**
- [Öre84] Tuncer I. Ören. A forum for the synergy of ACM special interest groups. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 18(3):31–32, August 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Orecchia:1999:IGU**
- [Ore99] F. Orecchia. Implicitization of a general union of parametric varieties. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(3):18, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Osoekawa:2006:HF**
- [OS06] Takeshi Osoekawa and Tateaki Sasaki. Hensel fan. *ACM Communications in Computer Algebra*, 40(2):48–49, June 2006. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Ostrowski:1999:STC**
- [Ost99] A. Ostrowski. On the significance of the theory of convex polyhedra for formal algebra. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(3):18, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

- tion*), 33(1):5, March 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Orozco:2015:OSC**
- [OVB15] Ana Lucila Sandoval Orozco, Luis Javier García Villalba, and Mario Blaum. Optimum shortened cyclic codes for multiple burst-error correction. *ACM Communications in Computer Algebra*, 49(1):22–23, March 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Ovchinnikov:2014:KSD**
- [Ovc14] Alexey Ovchinnikov. Kolchin seminar in differential algebra. *ACM Communications in Computer Algebra*, 48(2):67–69, March 2014. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Padovani:2002:MIC**
- [Pad02] L. Padovani. MathML International Conference 2002: MathML and Technologies for Math on the Web June 28–30, 2002 Hickory Ridge Conference Center, Chicago, Illinois. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 36(1):29–30, March 2002. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Page:2007:AOS**
- [Pag07] William S. Page. Axiom: open source computer algebra sys-
- tem. *ACM Communications in Computer Algebra*, 41(3):114, September 2007. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Pan:2005:PRF**
- [Pan05] Victor Pan. Polynomial root-finding with matrix eigen-solving. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 39(3):87, 2005. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). ISSAC 2005 poster abstract.
- Paramonov:2015:UUT**
- [Par15] Sergey Paramonov. Undecidability of the uniqueness testing problem for analytic solutions of PLDE with boundary conditions. *ACM Communications in Computer Algebra*, 49(1):27, March 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Patton:1996:RBC**
- [Pat96] Charles M. Patton. A representation of branch-cut information. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 30(2):21–24, June 1996. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Paulhus:2015:DJV**
- [Pau15] Jennifer Paulhus. Decomposing Jacobian varieties. *ACM Com-*

- munications in Computer Algebra*, 49(2):59, June 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Phisanbut:2010:GBC**
- [PBD10] Nalina Phisanbut, Russell J. Bradford, and James H. Davenport. Geometry of branch cuts. *ACM Communications in Computer Algebra*, 44(3):132–135, September 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Prieto:2000:MOA**
- [PDP00] Hélène Prieto, Stéphane Dalmas, and Yves Papegay. Mathematica as an OpenMath application. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 34(2):22–26, June 2000. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Pearce:1984:ICB**
- [Pea84] P. D. Pearce. The introduction of a computer-based tool for solving mathematical problems analytically to an undergraduate course. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 18–19(4–1):38–39, November/February 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Pech:2007:STG**
- [Pec07] Pavel Pech. *Selected topics in geometry with classical vs.*
- [Pei87a] [Pei87b]
- computer proving*. World Scientific Publishing Co., Singapore; Philadelphia, PA, USA; River Edge, NJ, USA, 2007. ISBN 981-270-942-8 (hardcover). xi + 239 pp. LCCN QA445 .P42 2007. URL <http://www.loc.gov/catdir/toc/ecip0722/2007028204.html>.
- Peikert:1987:ATP**
- R. Peikert. Automated theorem proving: the resolution method. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 21(3):61–68, August 1987. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Peikert:1987:FPS**
- R. Peikert. Formal power series. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 21(3):24–32, August 1987. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Perez:1999:NPA**
- P. D. González Pérez. A Newton–Puiseux algorithm for the ring $C\{X_1, \dots, X_d\}[Y]$. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(3):16, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Perry:2015:SYF**
- John Perry. The skeletons you find when you order your ideal's

- [Pet08] closet. *ACM Communications in Computer Algebra*, 49(2):62–63, June 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Petkovsek:2008:SML**
- [Piq89] Marko Petkovsek. Solving multivariate linear recurrences in wedges (abstract only). *ACM Communications in Computer Algebra*, 42(1–2):18–19, March/June 2008. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Pearce:1981:AAO**
- [PH81] P. D. Pearce and R. J. Hicks. The application of algebraic optimisation techniques to algebraic mode programs for REDUCE. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 15(4):15–22, November 1981. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Pearce:1983:DSE**
- [PH83] P. D. Pearce and R. J. Hicks. Data structures and execution times of Algebraic mode programs for REDUCE. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 17(1):31–37, February 1983. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Pigquette:1990:TSF**
- Jean C. Piquette. Table of special function integrals. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 24(4):8–21, October 1990. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Piquette:1989:SFI**
- J. C. Piquette. Special function integration. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 23(2):11–21, April 1989. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Piquette:1990:TSF**
- Jean C. Piquette. Table of special function integrals. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 24(4):8–21, October 1990. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Plemmons:1969:SCA**
- Robert J. Plemmons. A survey of computer applications to semigroups and related structures. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, ??(12):28–39, July 1969. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

- Pearce:2007:MLH**
- [PM07] Roman Pearce and Michael Monagan. A Maple library for high performance sparse polynomial arithmetic. *ACM Communications in Computer Algebra*, 41(3):110–111, September 2007. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Pohst:1981:CLV**
- [Poh81] Michael Pohst. On the computation of lattice vectors of minimal length, successive minima and reduced bases with applications. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 15(1):37–44, February 1981. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Poinsot:2015:DLA**
- [Poi15] Laurent Poinsot. Differential (lie) algebras from a functorial point of view. *ACM Communications in Computer Algebra*, 49(1):28–29, March 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Ponder:1987:AHA**
- [Pon87] Carl D. Ponder. Applications of hashing in algebraic manipulation (an annotated bibliography). *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 21(4):10–13, November 1987. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Ponder:1988:PPS**
- [Pon88a] 0163-5824 (print), 1557-9492 (electronic).
- Ponder:1988:PAA**
- [Pon88b] Carl G. Ponder. Parallel processors and systems for algebraic manipulation: current work. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 22(3):15–21, July 1988. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Popov:1997:SFA**
- [Pop97] Carl G. Ponder. Parallelism and algorithms for algebraic manipulation: current work. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 22(3):7–14, July 1988. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Popov:1998:SCP**
- [Pop98] Bogdan A. Popov. A system for function approximation properties investigation. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(3):29–30, September 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). Poster abstract only.
- Popov:1999:SCP**
- [Pop99] Atanas Popov. Symbolic computation of potential energy functions. *SIGSAM Bulletin*

- (*ACM Special Interest Group on Symbolic and Algebraic Manipulation*), 32(2):12–18, June 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). [Pra90]
- Popov:2000:OSA**
- [Pop00] Bogdan A. Popov. Optimal starting approximation and iterative algorithm for inverse error function. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 34(1):25–26, March 2000. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Porat:2009:VQA**
- [Por09] Moshe Porat. A vector-quantization approach to coding systems. *ACM Communications in Computer Algebra*, 43(3):94–96, September 2009. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Postma:2013:NGT**
- [Pos13] E. J. Postma. The new group theory package in Maple 17. *ACM Communications in Computer Algebra*, 47(3–4):174–178, September 2013. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Phillips:2015:SNA**
- [PR15] Bo Phillips and Jace Robinson. Some new almost difference sets via finite fields. *ACM Communications in Computer Algebra*, 49(1):21–22, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Prather:1990:RLC**
- Ronald E. Prather. The relation of Lorenzen calculus to formal language theory. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 24(2):9–18, April 1990. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Previanto:2015:DAA**
- Emma Previanto. Differential algebraic aspect of orthogonal polynomials and modular forms. *ACM Communications in Computer Algebra*, 49(1):29–30, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Previanto:2015:ECW**
- Emma Previanto. Evaluation codes and Weierstrass semi-groups. *ACM Communications in Computer Algebra*, 49(1):22, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Prince:2008:CDU**
- Matthew Prince. The concept of derivatives using abstract algebra (abstract only). *ACM Communications in Computer Algebra*, 42(1–2):85–86, March/June 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).

- project:2012:PPS**
- [pro12] The HPC-GAP project. Parallel programming support in GAP. *ACM Communications in Computer Algebra*, 46(3–4):161–163, September 2012. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Pritchard:1998:IVP**
- [PS98] F. Leon Pritchard and William Y. Sit. On initial value problems for ordinary differential-algebraic equations. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 32(2):61, June 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). Abstract only.
- Pillwein:2015:EPD**
- [PS15] Veronika Pillwein and Miriam Schussler. An efficient procedure deciding positivity for a class of holonomic functions. *ACM Communications in Computer Algebra*, 49(3):90–93, September 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Piehl:1997:GAE**
- [PST97] Valerie Piehl, Jonathan Sorenson, and Neil Tiedeman. Genetic algorithms for the extended GCD problem (work in progress). *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(3):34–35, September 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). Poster abstract only.
- Peralta:1999:GCG**
- J. Peralta and B. Torrecillas. Graded codes by G-sets. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(3):18, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Pudwell:2008:HCC**
- Lara K. Pudwell. How to cleverly count pattern-avoiding words (abstract only). *ACM Communications in Computer Algebra*, 42(1–2):18, March/June 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Purtilo:1980:IAP**
- Jim Purtilo. On implementing arbitrary precision arithmetic in NIL: an exercise in data abstraction. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 14(1):14–18, February 1980. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Pernet:2003:LBA**
- Clément Pernet and Zhendong Wan. LU based algorithms for characteristic polynomial over a finite field. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 37(3):22–25, September 2003. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

- Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 37(3): 83–84, September 2003. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Quinn:2008:CSS**
- [QH08] Robert Quinn and Hoon Hong. Connectivity in semialgebraic sets (abstract only). *ACM Communications in Computer Algebra*, 42(1–2):86, March/June 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Quinn:1997:BRT**
- [Qui97] D. Dane Quinn. Book review: *Topics in Nonlinear Dynamics with Computer Algebra*, by Richard H. Rand, Gordon and Breach Scientific Publishers, 1994, ISBN 2-8849-113-9 (hardcover), 2-8849-114-7 (softcover). *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(1): 27–28, March 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Quintin:2012:DLL**
- [Qui12] Guillaume Quintin. The decoding Library for list decoding. *ACM Communications in Computer Algebra*, 46(3–4): 168–170, September 2012. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- [Raa11] Clemens G. Raab. Integration in finite terms of non-Liouillian functions. *ACM Communications in Computer Algebra*, 45(2):133–134, June 2011. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Raab:2011:IFT**
- [Raa15] Clemens G. Raab. Rewrite rules for nested integrals. *ACM Communications in Computer Algebra*, 49(1):34, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Raab:2015:RRN**
- [Rad10] Silviu Radu. Abstract only: An algorithmic approach to Ramanujan’s congruences and related problems. *ACM Communications in Computer Algebra*, 44(1):11–12, March 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Radu:2010:AOA**
- [Rag15] Minvydas Ragulskis. The generalized multiplicative operator of differentiation for the construction of analytic solitary solutions to nonlinear differential equations. *ACM Communications in Computer Algebra*, 49 (1):32, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Ragulskis:2015:GMO**
- [Rai11] Alexander Raichev. New software for computing asymp-
- Raichev:2011:NSC**

- totics of multivariate generating functions. *ACM Communications in Computer Algebra*, 45(3–4):183–185, September 2011. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Rajaram:1980:ROA**
- [Raj80] Navaratna S. Rajaram. Random oscillations arising in the MACSYMA implementation of Khachian-type algorithms in linear programming. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 14(2):32–35, May 1980. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Rothstein:1976:STE**
- [RC76] Michael Rothstein and B. F. Caviness. A structure theorem for exponential and primitive functions a preliminary report. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 10(4):25–28, November 1976. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Rezvani:2005:NPG**
- [RC05] Nargol Rezvani and Robert M. Corless. The nearest polynomial with a given zero, revisited. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 39(3):73–79, September 2005. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- [Rec97] Tomas Recio. A course on computer algebra applications. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(2):32, June 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Recio:1997:CCA**
- Tomas Recio. Computing Weil’s descente variety. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(3):12, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Recio:1999:CWD**
- T. Recio. Computing Weil’s descente variety. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(3):12, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Reeves:1991:WOA**
- Alyson A. Reeves. The worst order is not always the lexicographic order. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 25(4):18–19, October 1991. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Reeves:1992:EWO**
- A. A. Reeves. Erratum: “The Worst Order Is Not Always The Lexicographic Order”. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 26(1):13, January 1992. CODEN

- SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Reeves:1997:PW**
- [Ree97] A. Reeves. PetaFLOPS workshop. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(2):1, June 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Reid:2000:IIS**
- [Rei00] Greg Reid. ISSAC'2001: International symposium on symbolic and algebraic computation. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 34(1):32, March 2000. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Reid:2002:SCA**
- [Rei02] G. J. Reid. Symbolic Computational Algebra 2002: Fields Institute special meeting on Symbolic and Numeric Computation in Geometry, Algebra and Analysis, July 15–19, 2002, The University of Western Ontario, London, Ontario, Canada [Ric09] <http://www.orcca.on.ca/sca2002>. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 36(1):31, March 2002. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Renbao:1982:AAC**
- Zhong Renbao. An algorithm for avoiding complex numbers in rational function integration. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 16(3):30–32, August 1982. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Ren:2015:CTV**
- Yue Ren. Computing tropical varieties over fields with valuation using classical standard basis techniques. *ACM Communications in Computer Algebra*, 49(4):127–129, December 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Roche:2008:DPP**
- Daniel Roche and Mark Giesbrecht. Detecting polynomial perfect powers (abstract only). *ACM Communications in Computer Algebra*, 42(1–2): 87, March/June 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Richardson:2009:EPT**
- David Richardson. Efficient programming techniques for the SACLIB computer algebra library. *ACM Communications in Computer Algebra*, 43(4): 120, December 2009. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).

- Riley:2008:OMA**
- [Ril08] Sean Riley. Origami and mathematics (abstract only). *ACM Communications in Computer Algebra*, 42(1–2):86, March/June 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Rimey:1984:PSR**
- [Rim84] Ken Rimey. Problem section (rotating fluids): a system of polynomial equations and a solution by an unusual method. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 18(1):30–32, February 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Rich:1996:FEB**
- [RJ96] Albert D. Rich and David J. Jeffrey. Function evaluation on branch cuts. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 30(2):25–27, June 1996. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Roanes-Lozano:1998:AIA**
- [RL98] E. Roanes-Lozano. Announcements: 1999 IMACS Applications of Computer Algebra Conference (IMACS-ACA '99), Euroforum, El Escorial, Madrid, Spain, 24–27 June 1999 (Scientific Program 25–27 June 1999). *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 32(3):31, September 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Roach:2008:SIQ**
- [Roa08] Kelly Roach. Solving integrals with the quantum computer algebra system. *ACM Communications in Computer Algebra*, 42(3):167–168, September 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Robino:2001:ASS**
- [Rob01] Julio Robino. Abstracts of the Seventh Spanish Meeting on Computer Algebra and Applications: EACA-2001 [Ezcaray, La Rioja, Spain, September 12–14, 2001]. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 35(4):24–39, December 2001. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). URL <http://www.unirioja.es/dptos/dmc/eaca2001>.
- Roche:2013:AEC**
- [Roc13] Dan Roche. Abstracts of the 2013 East Coast Computer Algebra Day. *ACM Communications in Computer Algebra*, 47(1–2):64–70, March 2013. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).

- | | |
|---|--|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">Rodionov:1984:WNC</div> <p>[Rod84] A. Ya. Rodionov. Work with non-commutative variables in the Reduce-2 system for analytical calculations. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 18(3):16–19, August 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Roques:2015:GGD</div> <p>[Roq15] Julien Roques. Galois groups of difference equations on elliptic curves. <i>ACM Communications in Computer Algebra</i>, 49(1):27–28, March 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Roune:2009:SAK</div> <p>[Rou09] Bjarke Hammersholt Roune. A slice algorithm for Koszul simplicial complexes on the LCM lattice of monomial ideals. <i>ACM Communications in Computer Algebra</i>, 43(3):96–98, September 2009. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Rowan:1981:EPS</div> <p>[Row81] William H. Rowan. Efficient polynomial substitutions of a sparse argument. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 15(3):17–23, August 1981. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">Royle:1991:CVT</div> <p>[Roy91] Gordon F. Royle. Constructing the vertex-transitive graphs on 24 vertices. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 25(1):56–59, January 1991. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Renschuch:2003:CCP</div> <p>[RRRA03] Bodo Renschuch, Hartmut Roloff, Georgij G. Rasputin, and Michael Abramson. Contributions to constructive polynomial ideal theory XXIII: forgotten works of Leningrad mathematician N. M. Gjunter on polynomial ideal theory. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 37(2):35–48, June 2003. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). Translated by Michael Abramson. Originally appeared in <i>Wiss. Z. d. Pädagogische Hochschule Potsdam</i> 31 (1987), 111–126.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Rochon:1975:SSP</div> <p>[RS75] M. Rochon and H. Strubbe. Solution to SIGSAM problem no. 5 using SCHOONSCHIP. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 9(4):30–38, November 1975. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> |
|---|--|

- Rowney:1989:FFM**
- [RS89] K. T. Rowney and R. D. Silverman. Finite field manipulations in Macsyma. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 23(1):39–48, January 1989. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Rubio:1991:PCH**
- [RS91] Julio Rubio and Francis Sergeraert. A program computing the homology groups of loop spaces. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 25(4):20–24, October 1991. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Rueda:2015:AAP**
- [RSS15] S. L. Rueda, J. Sendra, and J. R. Sendra. An approximate algorithm to parametrize algebraic curves. *ACM Communications in Computer Algebra*, 49(2):54–55, June 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Roch:1989:CAM**
- [RSSRV89] Jean-Louis Roch, Pascale Senechaud, Françoise Siebert-Roch, and Gilles Villard. Computer algebra on MIMD machine. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 23(1):16–32, January 1989. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- RSSU79**
- [RSSU79] P. Raulefs, J. Siekmann, P. Szabó, and E. Unvericht. A short survey on the state of the art in matching and unification problems. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 13(2):14–20, May 1979. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Reid:2002:GCD**
- [RSV02] Greg Reid, Chris Smith, and Jan Verschelde. Geometric completion of differential systems using numeric-symbolic continuation. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 36(2):1–17, June 2002. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Ronveaux:1988:PSR**
- [RT88] A. Ronveaux and G. Thiry. Polynomial solution of recurrence relation and differential equation. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 22(4):9–19, October 1988. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

- | | |
|--|---|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">Rueda:2005:FFA</div> <p>[Rue05] Sonia L. Rueda. Finite fans, actions of tori and D-modules. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 39(3):90–92, 2005. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). ISSAC 2005 poster abstract.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Rueda:2010:LDI</div> <p>[Rue10] Sonia L. Rueda. Linear differential implicitization and differential resultants. <i>ACM Communications in Computer Algebra</i>, 44(3):136–137, September 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Rueda:2015:DED</div> <p>[Rue15] Sonia L. Rueda. Differential elimination by differential specialization of Sylvester style matrices. <i>ACM Communications in Computer Algebra</i>, 49(1):29, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Rump:1977:RRI</div> <p>[Rum77] Siegfried M. Rump. Real root isolation for algebraic polynomials. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 11(2):2–3, May 1977. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">RVMMH11</div> <p>[RVMH11]</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Robertson:2011:ACH</div> <p>Aaron Robertson, Vince Vatter, Gizele Maimon, and Qing-Hu Hou. Abstracts of conferences in honor of Doron Zeilberger’s 60th birthday. <i>ACM Communications in Computer Algebra</i>, 45(1):49–61, March 2011. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Rahkooy:2011:URI</div> <p>Hamid Rahkooy and Zafeirakis Zafeirakopoulos. Using resultants for inductive Gröbner bases computation. <i>ACM Communications in Computer Algebra</i>, 45(2):135–136, June 2011. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Sakakihara:1997:IBT</div> <p>Michio Sakakihara. Iterative blow-up time approximation for initial value problems. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 31(3):36, September 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). Poster abstract only.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Salvy:1991:EAA</div> <p>Bruno Salvy. Examples of automatic asymptotic expansions. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 25(2):4–17, April 1991. CODEN SIGSBZ. ISSN 0163-</p> |
|--|---|

- 5824 (print), 1557-9492 (electronic).
- Salvy:1993:EPM**
- [Sal93] Bruno Salvy. Efficient programming in Maple: a case study. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 27(2):1–12, April 1993. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Salem:2011:PCE**
- [Sal11] Fatima K. Abu Salem. Parallel and cache-efficient Hensel lifting. *ACM Communications in Computer Algebra*, 45(2):107–108, June 2011. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Salem:2012:COE**
- [Sal12] Fatima K. Abu Salem. A cache-oblivious engineering of the G2V algorithm for computing Gröbner bases. *ACM Communications in Computer Algebra*, 46(3–4):72–73, September 2012. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Sandewall:1971:PSF**
- [San71] Erik Sandewall. A proposed solution to the FUNARG problem. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, ??(17):29–42, January 1971. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Sandling:1991:GRP**
- [San91] Robert Sandling. A group ring package for Cayley. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 25(1):60–64, January 1991. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Sanchez:2015:PLE**
- [Sán15] Omar León Sánchez. Parametrized logarithmic equations and their Galois theory. *ACM Communications in Computer Algebra*, 49(1):26, March 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Saouter:2010:HCA**
- [Sao10] Yannick Saouter. Heuristics for Cannon’s algorithm with an application to Lyons sporadic group. *ACM Communications in Computer Algebra*, 44(3):138–139, September 2010. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Sarabia:2015:OAI**
- [Sar15] Manuel González Sarabia. An overview on algebraic invariants and the main parameters of some parameterized codes. *ACM Communications in Computer Algebra*, 49(1):19–20, March 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).

- Sasaki:2004:TSC**
- [Sas04] Tateaki Sasaki. A theorem for separating close roots of a polynomial and its derivatives. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 38(3): 85–92, September 2004. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- SanJuan:1999:SPS**
- [SASG99] J. F. San Juan, A. Abad, S. Serрано, and A. Gavín. Solving problems symbolically by using Poisson Series Processors. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(3): 18–19, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Sato:1997:SCS**
- [Sat97] Yosuke Sato. Set constraint solver — Gröbner bases for non-numerical domains. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(3): 41–42, September 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). Poster abstract only.
- Sato:2000:PCB**
- [Sat00] Yosuke Sato. Parallel computation of Boolean Gröbner bases. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 34(1):27–28, March 2000.
- [Sau80]
- [Sau81a]
- [Sau81b]
- Saunders:1980:SAS**
- B. David Saunders. A survey of available systems. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 14(4): 12–28, November 1980. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Saunders:1981:A**
- B. David Saunders. Abstracts. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 15(2):6–7, May 1981. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Saunders:1981:AMM**
- B. David Saunders. Algebra made mechanical. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 15(3): 23–25, August 1981. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Saunders:2010:AOE**
- David Saunders. Abstract only: Exact linear algebra. *ACM Communications in Computer Algebra*, 44(2):24, June 2010. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).

- Schou:1989:RAM**
- [SB89] W. C. Schou and K. A. Broughan. The Risch algorithms of MACSYMA and SENAC. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 23(3):19–22, July 1989. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Sit:1997:JSC**
- [SB97] W. Sit and M. Bronstein. Journal of Symbolic Computation special issue on differential equations and differential algebra. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(1):32, March 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Schnupp:1971:PFM**
- [Sch71] Peter Schnupp. Practical formula manipulation for theoretical chemistry. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, ??(17):27–29, January 1971. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Schwartz:1975:WPS**
- [Sch75] J. T. Schwartz. What programmers should know. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 9(3):26–27, August 1975. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Schrüfer:1982:IEC**
- [Sch82] E. Schrüfer. An implementation of the exterior calculus in REDUCE: a status report. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 16(4):27–31, November 1982. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Schwarz:1983:RPS**
- Fritz Schwarz. A REDUCE package for series analysis by Hadamard’s theorem and QD schemes. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 17(1):38–44, February 1983. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Schrüfer:1988:CNE**
- Eberhard Schrüfer. A comment on “A note on Einstein metrics”. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 22(3):22–26, July 1988. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Schneider:1991:RTC**
- Gerhard J. A. Schneider. Representation theory in CAYLEY: tools and algorithms. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 25(3):22–26, July 1991. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

- Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 25(1):64–70, January 1991. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Schwarz:1991:MOG**
- [Sch91b] Fritz Schwarz. Monomial orderings and Gröbner bases. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 25(1):10–23, January 1991. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Schwarz:1994:EFL**
- [Sch94] Fritz Schwarz. Efficient factorization of linear ODE's. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 28(1):9–17, March 1994. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Schicho:1999:PPA**
- [Sch99] J. Schicho. The parameterization problem for algebraic surfaces. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(3):13, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Schenck:2002:CLS**
- [Sch02] H. Schenck. CBMS lecture series at Texas A&M University: Solving systems of polynomial equations, May 20–24, 2002,
- by Bernd Sturmfels (UC Berkeley). *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 36(1):23, March 2002. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Schwarz:2007:AW**
- [Sch07] Fritz Schwarz. ALLTYPES in the web. *ACM Communications in Computer Algebra*, 41(3):109–110, September 2007. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Schneider:2008:MSD**
- [Sch08a] Carsten Schneider. Multi-summation in difference fields (abstract only). *ACM Communications in Computer Algebra*, 42(1–2):19, March/June 2008. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Schwarz:2008:AW**
- [Sch08b] Fritz Schwarz. ALLTYPES in the Web. *ACM Communications in Computer Algebra*, 42(3):185–187, September 2008. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Schwarz:2016:DSQ**
- [Sch16] Fritz Schwarz. Decomposing and solving quasilinear second-order differential equations. *ACM Communications in Computer Algebra*, 50(3):73–82, September 2016. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).

- | | |
|---|--|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">Su:2008:SOE</div> <p>[SCWL08] Wei Su, Chuan Cai, Paul S. Wang, and Lian Li. A solution for online entering and editing mathematical formulas (abstract only). <i>ACM Communications in Computer Algebra</i>, 42(1–2):87–88, March/June 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Sedjelmaci:2008:SLP</div> <p>[Sed08] Sidi Mohamed Sedjelmaci. A straight line program computing the integer greatest common divisor (abstract only). <i>ACM Communications in Computer Algebra</i>, 42(1–2):62–64, March/June 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Sedjelmaci:2013:FPG</div> <p>[Sed13] Sidi M. Sedjelmaci. Fast parallel GCD algorithm of many integers. <i>ACM Communications in Computer Algebra</i>, 47(3–4):92–93, September 2013. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Sendra:1990:HMC</div> <p>[Sen90] Juan R. Sendra. Hankel matrices and computer algebra. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 24(3):17–26, July 1990. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">Senda:2003:IPI</div> <p>[Sen03] J. Rafael Sendra, editor. <i>IS-SAC 2003: Proceedings of the 2003 International Symposium on Symbolic and Algebraic Computation</i>, August 3–6, 2003, Drexel University, Philadelphia, PA, USA. ACM Press, New York, NY, USA, 2003. ISBN 1-58113-641-2. LCCN QA76.95. ACM order number 505030.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Sergeraert:1999:CAT</div> <p>[Ser99] F. Sergeraert. Constructive algebraic topology. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 33(3):13, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Scott:2013:ASG</div> <p>[SFG13] Tony C. Scott, Greg Fee, and Johannes Grotendorst. Asymptotic series of generalized Lambert W function. <i>ACM Communications in Computer Algebra</i>, 47(3–4):75–83, September 2013. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Scott:2014:NGL</div> <p>[SFGZ14] Tony C. Scott, Greg Fee, Johannes Grotendorst, and W. Z. Zhang. Numerics of the generalized Lambert W function. <i>ACM Communications in Computer Algebra</i>, 48(2):42–56, March 2014. CODEN ???? ISSN 1932-</p> |
|---|--|

- 2232 (print), 1932-2240 (electronic).
- Schulzky:2000:RSR**
- [SFH00] Christian Schulzky, Astrid Franz, and Karl Heinz Hoffmann. Resistance scaling and random walk dimensions for finitely ramified Sierpinski carpets. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 34(3):1–8, September 2000. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Gao:2006:WTW**
- [sG06] Xiao shan Gao. Wen-Tsun Wu’s academic career. *ACM Communications in Computer Algebra*, 40(2):60–64, June 2006. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Shayanfar:2009:CAE**
- [SH09] Nikta Shayanfar and Mahmoud Hadizadeh. Computer algebraic efficiency of matrix polynomials for a system of integral equations. *ACM Communications in Computer Algebra*, 43 (3):101–102, September 2009. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Shaska:2003:CAA**
- [Sha03] Tanush Shaska. Computational algebra and algebraic curves. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 37(4):117–124, December 2003. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Shapeev:2005:ACC**
- Vasily Shapeev. Application of CAS to constructing schemes of superhigh order of accuracy for heat conduction equation. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 39(4):139–142, December 2005. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Shaska:2015:MMS**
- T. Shaska. Minimal models for superelliptic curves over their minimal field of definition. *ACM Communications in Computer Algebra*, 49(2):58, June 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Shaska:2015:GHC**
- Tony Shaska. Genus 3 hyperelliptic curves with (2, 4, 4)-split Jacobians. *ACM Communications in Computer Algebra*, 49 (2):55, June 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Shemyakova:2007:SAM**
- [She07] Ekaterina Shemyakova. Symbolic-algebraic methods for linear partial differential operators. *ACM Communications in Computer Algebra*, 41(3):100, September 2007. CODEN ????

- ISSN 1932-2232 (print), 1932-2240 (electronic).
- Shemyakova:2010:IDT**
- [She10] Ekaterina Shemyakova. X - and Y -invariants for Darboux transformations. *ACM Communications in Computer Algebra*, 44(3):149–150, September 2010. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Shirshov:1999:CAP**
- [Shi99] A. I. Shirshov. Certain algorithmic problems for Lie algebras. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(2):3–6, June 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Shochat:1982:EMM**
- [Sho82] David D. Shochat. Experience with the muSIMP/muMATH-80 symbolic mathematics system. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 16(3):16–23, August 1982. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Shor:2015:WWB**
- [Sho15] C. Shor. On the q -Weierstrass weights of branch points of superelliptic curves. *ACM Communications in Computer Algebra*, 49(2):58, June 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- [SHS96]
- Sado:1996:PPE**
- Takahiro Sado, Tomohiro Halaikawa, and Tateaki Sasaki. Pseudo-parallel execution of modular computation. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 30(1):4–8, March 1996. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Shtokhamer:1977:ALS**
- R. Shtokhamer. Attempts in local simplification of non nested radicals. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 11(1):20–40, February 1977. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Shtokhamer:1977:ULS**
- R. Shtokhamer. The use of “LET” statements in producing short comprehensible outputs. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 11–12(4–1):20–22, November and February 1977. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Sasaki:2000:HCS**
- Tateaki Sasaki and Daiju Inaba. Hensel construction of $F(x, u_1, \dots, u_\ell), \ell \geq 2$, at a singular point and its applications. *SIGSAM Bulletin (ACM*

- [SIK05] Tateaki Sasaki, Daiju Inaba, and Kentaro Katamachi. An approach to singularity from the extended Hensel construction. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 39(3):94–95, 2005. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). ISSAC 2005 poster abstract.
- Sasaki:2005:ASE**
- [SIK14] Tateaki Sasaki, Daiju Inaba, and Fujio Kako. Solving parametric sparse linear systems by local blocking. *ACM Communications in Computer Algebra*, 48(3/4):137–139, September 2014. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Sasaki:2014:SPS**
- [SIK08] Tateaki Sasaki and Daiju Inaba. Convergence domain of series expansions of multivariate algebraic functions. *ACM Communications in Computer Algebra*, 42(3):127–128, September 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Sasaki:2008:CDS**
- [Sit89] W. Y. Sit. Some comments on term-ordering in Gröbner basis computations. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 23(2):34–38, April 1989. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Sit:1989:SCT**
- [Sit02a] William Sit. East Coast Computer Algebra Day. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 36(1):19–21, March 2002. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Sit:2002:ECCa**
- [Sit02b] William Y. Sit. East Coast Computer Algebra day: EC-CAD 2002 poster and demonstration abstracts. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 36(3):1, September 2002. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Sit:2002:ECCb**
- [Sit06] William Sit. Abstracts of special session on differential algebra: American Mathematical Society, Eastern Section Spring Meeting: Stevens Institute of Technology, April 14-15, 2007. *ACM Communications in Computer Algebra*, 40(3–4):
- Sit:2006:ASS**

- 88–107, September–December 2006. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Sit:2014:KSD**
- [Sit14] William Sit. The Kolchin seminar in differential algebra at the Graduate Center of the City University of New York: Summer — 2014. *ACM Communications in Computer Algebra*, 48(2):70–73, March 2014. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic). URL <http://www.sci.ccny.cuny.edu/~ksda/gradcenter.html>.
- Stein:2005:SSA**
- [SJ05] William Stein and David Joyner. SAGE: System for Algebra and Geometry Experimentation. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 39(2):61–64, June 2005. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Strotmann:2000:OCA**
- [SK00] Andreas Strotmann and Ladislav Kohout. OpenMath: compositionality achieved at last. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 34(2):66–72, June 2000. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- [SL10] Tateaki Sasaki and Fujio Kako. Computing floating-point Gröbner bases accurately. *ACM Communications in Computer Algebra*, 44(3):142–143, September 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Sasaki:2010:CFP**
- [SK10] Tateaki Sasaki and Hiroshi Kai. Memories on Professor Matutarow Noda. *ACM Communications in Computer Algebra*, 50(2):69, June 2016. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Sasaki:2016:MPM**
- [Sla91] Yannick Saouter and Gérald Le Mestre. A FPGA implementation of Chen’s algorithm. *ACM Communications in Computer Algebra*, 44(3):140–141, September 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Saouter:2010:FIC**
- [SLW15] Michael C. Slattery. Character degrees of p -groups: a case study. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 25(1):71–74, January 1991. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Slattery:1991:CDG**
- [Sun15] Yao Sun, Dongdai Lin, and Dingkang Wang. On im-
- Sun:2015:ISB**

- plementing signature-based Gröbner basis algorithms using linear algebraic routines from M4RI. *ACM Communications in Computer Algebra*, 49(2):63–64, June 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Smit:1974:IN**
- [Smi74] Jaap Smit. Introduction to NETFORM. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 8(2):31–36, May 1974. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Smith:1984:IPT**
- [Smi84a] C. J. Smith. Implementation of a package of tools for manipulation of sums. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 18(1):20–24, February 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Smith:1984:PPR**
- [Smi84b] Carolyn J. Smith. Procedures for polynomial and rational function recognition. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 18(3):2–4, August 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- [SN97]
- Michio Sakakihara and Shigekazu Nakagawa. Symbolic Newton method for two-parameter eigenvalue problem. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(3):36, September 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). Poster abstract only.
- Sakakihara:1997:SNM**
- [SO09]
- Tateaki Sasaki and Yasutaka Ookura. Approximate factorization of polynomials in $Z[x]$. *ACM Communications in Computer Algebra*, 43(3):99–101, September 2009. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Sasaki:2009:AFP**
- [Soi97]
- Neil Soiffer. MathML: a proposal for representing mathematics in HTML. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(3):44–45, September 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). Poster abstract only. See <http://www.w3.org/pub/WWW/TR/WD-math/> for the proposal details.
- Soiffer:1997:MPR**
- [Sor97]
- Andreas Sorgatz. Dynamic modules: Software integration in MuPAD. *SIGSAM Bulletin (ACM Special Interest*
- Sorgatz:1997:DMS**

- Group on Symbolic and Algebraic Manipulation),* 31(3):45–47, September 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). Poster abstract only.
- Slavyanov:1999:DSF**
- [SPA⁺99] S. Yu. Slavyanov, A. B. Pirozhnikov, A. M. Akopyan, W. Lay, and Z. B. Yazik. Database of the special functions of mathematical physics. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(1):21–27, March 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Sperner:2008:CTM**
- [Spe08] Emanuel Sperner. On a combinatorial theorem of Macaulay and its applications to the theory of polynomial ideals. *ACM Communications in Computer Algebra*, 42(4):192–201, December 2008. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic). Translation by Michael Abramson of *Über einen kombinatorischen Satz von Macaulay und seine Anwendungen auf die Theorie der Polynomideale, Abhandlungen aus dem Mathematischen Seminar der Universität Hamburg 7 (1930): 149–163.*
- Sage:1968:IPT**
- [SS68] F. H. Sage and D. V. Smith. The introduction of a paging technique into the sym-
- metric list processor, SLIP. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, ??(9):34–46, April 1968. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Smith:1983:IMM**
- [SS83] Paul Smith and Leon Sterling. Of integration by man and machine. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 17(3–4):21–24, August/November 1983. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Sasaki:1992:IRC**
- [SS92] T. Sasaki and M. Sasaki. On integer-to-rational conversion algorithm. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 26(2):19–21, April 1992. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Shallit:1993:BAJ**
- [SS93] Jeffrey Shallit and Jonathan Sorenson. A binary algorithm for the Jacobi symbol. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 27(1):4–11, January 1993. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

- Sasaki:1997:PRS**
- [SS97] Tateaki Sasaki and Mutsuko Sasaki. Polynomial remainder sequence and approximate GCD. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(3):4–10, September 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Sasaki:1998:CEM**
- [SS98] Tateaki Sasaki and Tomoyuki Sato. Cancellation errors in multivariate resultant computation with floating-point numbers. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 32(4):13–20, December 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Suzuki:2007:ICC**
- [SS07] Akira Suzuki and Yosuke Sato. Implementation of CGS and CGB on Risa/Asir and other computer algebra systems using Suzuki-Sato algorithm. *ACM Communications in Computer Algebra*, 41(3):107–108, September 2007. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Shirayanagi:2009:NMR**
- [SS09] Kiyoshi Shirayanagi and Hiroshi Sekigawa. A new method of reducing exact computations to obtain exact results. *ACM Communications in Computer Algebra*, 43(3):102–104, September 2009. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Sekigawa:2010:SBP**
- [SS10] Hiroshi Sekigawa and Kiyoshi Shirayanagi. Solvability of bivariate polynomial systems under perturbation. *ACM Communications in Computer Algebra*, 44(3):147–148, September 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Sekigawa:2011:IRZ**
- [SS11] Hiroshi Sekigawa and Kiyoshi Shirayanagi. Isolated real zero of a real polynomial system under perturbation. *ACM Communications in Computer Algebra*, 45(2):131–132, June 2011. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Sekigawa:2012:MPP**
- [SS12a] Hiroshi Sekigawa and Kiyoshi Shirayanagi. Maximal perturbation for preserving the number of solutions of a polynomial system. *ACM Communications in Computer Algebra*, 46(3–4):120–121, September 2012. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Shaska:2012:ECC**
- [SS12b] Tony Shaska and Daniel E. Steffy. East Coast Computer Algebra Day 2012 abstracts. *ACM Communications in Computer Algebra*, 46(1–2):

- 55–59, March/June 2012. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic). [SST⁺97]
- Schost:2013:NLI**
- [SS13] Éric Schost and Pierre-Jean Spaenlehauer. Newton-like iteration for determinantal systems and structured low rank approximation. *ACM Communications in Computer Algebra*, 47(3-4):96–97, September 2013. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- SanSegundo:2005:OPC**
- [SSS05] F. San Segundo, J. R. Sendra, and Juana Sendra. Offsets from the perspective of computational algebraic geometry. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 39(3):87–90, 2005. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). ISSAC 2005 poster abstract.
- Salvy:2011:PFF**
- [SSS⁺11] Bruno Salvy, Bob Sedgewick, Michele Soria, Wojciech Szpankowski, and Brigitte Vallée. Philippe Flajolet: the father of analytic combinatorics. *ACM Communications in Computer Algebra*, 45(2):90–91, June 2011. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic). [Sta74]
- Starkey:1974:SKP**
- Tateaki Sasaki and Akira Terui. A formula for separating small roots of a polynomial. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 36(3):19–23, September 2002. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Sasaki:1997:AAC**
- Tateaki Sasaki, Kousuke Shihara, Akira Terui, Yuichi Ozaki, and Fujio Kako. Approximate algebraic computation: Practice and problems. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(3):32, September 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). Poster abstract only.
- Sasaki:2002:FSS**
- Tateaki Sasaki and Akira Terui. A formula for separating small roots of a polynomial. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 36(3):19–23, September 2002. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Stan:2010:ASF**
- J. Denbigh Starkey. A solution to Kiang’s problem #6. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 8(1):2–3, February 1974. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Flavia Stan. Algorithms for special functions: computer algebra and analytical aspects. *ACM Communications in Computer Algebra*, 44(3):156–157, September 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic). [Sta10]

- DEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Steen:1981:CCL**
- [Ste81] Lynn Arthur Steen. Computer calculus: long perceived as merely ‘number crunchers,’ computers are now moving into the realm of elegant mathematics. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 15(3):26–27, August 1981. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Steinberg:1982:MSM**
- [Ste82] Stanly Steinberg. Mathematics and symbol manipulation. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 16(3):11–15, August 1982. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Stetter:1996:MEH**
- [Ste96] Hans J. Stetter. Matrix eigenproblems are at the heart of polynomial system solving. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 30(4):22–25, December 1996. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Stetter:1999:NPG**
- [Ste99] Hans J. Stetter. The nearest polynomial with a given zero, and similar problems. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(4):2–4, December 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Steinwandt:2000:CST**
- [Ste00] Rainer Steinwandt. On computing a separating transcendence basis. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 34(4):3–6, December 2000. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Stetter:2006:ACA**
- [Ste06] Hans J. Stetter. “Approximate Commutative Algebra”: an ill-chosen name for an important discipline. *ACM Communications in Computer Algebra*, 40(3–4):79–81, September–December 2006. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Stefanus:2008:BFD**
- [Ste08] Lim Yohanes Stefanus. De Boor–Fix dual functionals for transformation from polynomial basis to convolution basis. *ACM Communications in Computer Algebra*, 42(3):146–148, September 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Steffy:2010:ESL**
- [Ste10] Daniel E. Steffy. Exact solutions to linear systems of equa-

- tions using output sensitive lifting. *ACM Communications in Computer Algebra*, 44(4):160–182, December 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Stickel:1983:NLI**
- [Sti83] Mark E. Stickel. A note on leftmost innermost term reduction. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 17(3–4):19–20, August/November 1983. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Stoutemyer:1976:ASA**
- [Sto76] David R. Stoutemyer. Automatic simplification for the absolute-value function and its relatives. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 10(4):48–49, November 1976. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Stoutemyer:1979:CSM**
- [Sto79] David R. Stoutemyer. Computer symbolic math & education: a radical proposal. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 13(3):8–24, August 1979. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- [Sto80] [Sto84] [Sto98]
- Stoutemyer:1980:PES**
- David R. Stoutemyer. PICOMATH-80: an even smaller computer algebra package. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 14(3):5–7, August 1980. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Stoutemyer:1984:RPC**
- David R. Stoutemyer. A radical proposal for computer algebra in education. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 18–19(4–1):40–53, November/February 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Stoutemyer:1998:TSI**
- David R. Stoutemyer. A TI-92 solution to the ISSAC '97 Challenge Problems. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 32(1):38–55, March 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Stoutemyer:2007:UCN**
- David R. Stoutemyer. Useful computations need useful numbers. *ACM Communications in Computer Algebra*, 41(3):75–99, September 2007. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).

- Stoutemyer:2008:MPF**
- [Sto08] David R. Stoutemyer. Multivariate partial fraction expansion. *ACM Communications in Computer Algebra*, 42(4):206–210, December 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Stoutemyer:2009:UNM**
- [Sto09] David R. Stoutemyer. Unit normalization of multinomials over Gaussian integers. *ACM Communications in Computer Algebra*, 43(3):73–76, September 2009. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Stoutemyer:2011:WIC**
- [Sto11] David R. Stoutemyer. Ways to implement computer algebra compactly. *ACM Communications in Computer Algebra*, 45(3–4):199–224, September 2011. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Stoutemyer:2012:SC**
- [Sto12a] David R. Stoutemyer. Series crimes. *ACM Communications in Computer Algebra*, 46(1–2):19–52, March/June 2012. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Stoutemyer:2012:SM**
- [Sto12b] David R. Stoutemyer. Series misdemeanors. *ACM Communications in Computer Algebra*, 46(3–4):134–153, September 2012. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- 1932-2232 (print), 1932-2240 (electronic).
- Stoutemyer:2013:CAU**
- [Sto13a] David R. Stoutemyer. A computer algebra user interface manifesto. *ACM Communications in Computer Algebra*, 47(3–4):130–165, September 2013. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Stoutemyer:2013:SPF**
- [Sto13b] David R. Stoutemyer. Simplifying products of fractional powers of powers. *ACM Communications in Computer Algebra*, 47(1–2):26–58, March 2013. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Strubbe:1974:PSS**
- [Str74] H. Strubbe. Presentation of the SCHOONSCHIP system. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 8(3):55–60, August 1974. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Studzinski:2010:CDN**
- [Stu10] Grischa Studzinski. Computation of dimensions of non-commutative algebras. *ACM Communications in Computer Algebra*, 44(3):151–152, September 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).

- | | |
|--|---|
| <div style="text-align: center; border: 1px solid black; padding: 2px;">Sundblad:1972:S</div> <p>[Sun72] Yngve Sundblad. SYMBAL. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, ??(24):18–19, October 1972. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Sundblad:1973:OUO</div> <p>[Sun73] Yngve Sundblad. One user's one-algorithm comparison of six algebraic systems on the Y_{2n}-problem. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, ??(28):14–20, December 1973. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Sundblad:1974:SMS</div> <p>[Sun74] Yngve Sundblad. Symbolic mathematical systems now and in the future. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 8(3):1–8, August 1974. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Suzuki:2009:CGB</div> <p>[Suz09] Akira Suzuki. Computing Gröbner bases within linear algebra and its implementation. <i>ACM Communications in Computer Algebra</i>, 43(3):104–105, September 2009. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).</p> | <div style="text-align: center; border: 1px solid black; padding: 2px;">Shevchenko:1993:AND</div> <p>Ivan I. Shevchenko and Nikolay N. Vasiliev. Algorithms of numeric deduction of analytical expressions. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 27(1):1–3, January 1993. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Sendra:1999:ORP</div> <p>J. R. Sendra and C. Vilarrino. Optimal reparameterization of polynomial algebraic curves. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 33(3):19, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Schlomiuk:2010:ISC</div> <p>Dana Schlomiuk and Nicolae Vulpe. Invariants and symbolic calculations in the theory of quadratic differential systems. <i>ACM Communications in Computer Algebra</i>, 44(3):144–146, September 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Smit:1981:NCO</div> <p>J. Smit, J. A. van Hulzen, and B. J. A. Hulshof. NETFORM and code optimizer manual. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>,</p> |
| <p>[SV93] [SV99]</p> | <p>[SV10]</p> |

- [SVZ06] Agnes Szanto, Jan Verschelde, and Zhonggang Zeng. Symbolic-numeric computation and applications: list of abstracts. *ACM Communications in Computer Algebra*, 40(1):15–17, March 2006. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- [SW85] J. M. Shearer and M. A. Wolfe. ALGLIB, a simple symbol-manipulation package. *Communications of the ACM*, 28(8):820–825, August 1985. CODEN CACMA2. ISSN 0001-0782 (print), 1557-7317 (electronic).
- [SW95] Andrej G. Sokolsky, Akmal A. Vakhidov, and Nickolay N. Vasiliev. Generating a new recurrence relations system for elliptic Hansen coefficients by means of computer algebra. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 29(2S (special issue)):16–18, June 1995. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- [SW96] Hans J. Stetter and Stephen M. Watt. JSC special issue CFP. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 30(3):32, September 1996. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- [SW97] H. J. Stetter and S. M. Watt. Journal of Symbolic Computation special issue on symbolic-numeric algebra for polynomials. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(1):30, March 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- [Szanto:2006:SNC] Agnes Szanto, Jan Verschelde, and Zhonggang Zeng. Symbolic-numeric computation and applications: list of abstracts. *ACM Communications in Computer Algebra*, 40(1):15–17, March 2006. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- [Stetter:1996:JSI] Hans J. Stetter and Stephen M. Watt. JSC special issue CFP. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 30(3):32, September 1996. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- [Stetter:1997:JSC] H. J. Stetter and S. M. Watt. Journal of Symbolic Computation special issue on symbolic-numeric algebra for polynomials. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(1):30, March 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- [Shemyakova:2006:AFL] Ekaterina Shemyakova and Franz Winkler. Approximate factorization of linear partial differential operators: full system of invariants for order three. *ACM Communications in Computer Algebra*, 40(2):34–35, June 2006. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- [Shearer:1985:ASS] J. M. Shearer and M. A. Wolfe. ALGLIB, a simple symbol-manipulation package. *Communications of the ACM*, 28(8):820–825, August 1985. CODEN CACMA2. ISSN 0001-0782 (print), 1557-7317 (electronic).
- [Storjohann:2014:RAO] Arne Storjohann and Shiyun Yang. A relaxed algorithm for online matrix inversion. *ACM Communications in Computer Algebra*, 48(3/4):140–142, September 2014. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- [SY14] Arne Storjohann and Shiyun Yang. A relaxed algorithm for online matrix inversion. *ACM Communications in Computer Algebra*, 48(3/4):140–142, September 2014. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).

- DEN ???? ISSN 1932-2232
(print), 1932-2240 (electronic).
- Tamayo:2015:AFH**
- [Tam15] Matthew Tamayo. Algebraic full homomorphic encryption and resisting Gröbner basis cryptanalysis. *ACM Communications in Computer Algebra*, 49(2):63, June 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Tzoumas:2005:ACC**
- [TE05] George M. Tzoumas and Ioannis Z. Emiris. Apollonius circle conflict. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 39(4):143–146, December 2005. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Macsyma:1998:MSI**
- [Tec98] Technical Staff at Macsyma, Inc. Macsyma solutions to the ISSAC '97 Challenge Problems. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 32(1):18–37, March 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Tec:2011:SFG**
- [Tec11] Loredana Tec. A symbolic framework for general polynomial domains in theorem: applications to boundary problems. *ACM Communications in Computer Algebra*, 45(3–4):189, September 2011. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- September 2011. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Teodorescu:2015:MIP**
- Iuliana Ciocănea Teodorescu. The module isomorphism problem for finite rings and related results. *ACM Communications in Computer Algebra*, 49(1):14, March 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Terui:2010:GIM**
- Akira Terui. GPGCD, an iterative method for calculating approximate GCD, for multiple univariate polynomials. *ACM Communications in Computer Algebra*, 44(3):153–155, September 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Terui:2011:ARW**
- Akira Terui. Abstracts from RIMS workshop on developments in computer algebra research. *ACM Communications in Computer Algebra*, 45(3–4):162–165, September 2011. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Terui:2013:CAG**
- Akira Terui. Calculating approximate GCD of multiple univariate polynomials using approximate syzygies. *ACM Communications in Computer Algebra*, 47(3–4):110–111, September 2013. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).

- 1932-2232 (print), 1932-2240 (electronic).
- Thanatipanonda:2008:CGC**
- [Tha08] Thotsaporn Aek Thanatipanonda. Computer-generated conjectures(!) and proofs(!!) in combinatorial game theory (II) (abstract only). *ACM Communications in Computer Algebra*, 42(1–2):20, March/June 2008. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- SCIE:2010:SCS**
- [The10a] The SCIEnce project. Symbolic computation software composability protocol and its implementations. *ACM Communications in Computer Algebra*, 44(4):210–212, December 2010. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- SCIE:2010:SPP**
- [The10b] The SCIEnce project. SymGrid-Par: parallel orchestration of symbolic computation systems. *ACM Communications in Computer Algebra*, 44(4):213–216, December 2010. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Thiery:2000:AIGa**
- [Thi00a] Nicolas M. Thiéry. Algebraic invariants of graphs: a computer aided study. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 34(1):29, March 2000. CODEN SIGSBZ.
- ISSN 0163-5824 (print), 1557-9492 (electronic).
- Thiery:2000:AIGb**
- [Thi00b] Nicolas M. Thiéry. Algebraic invariants of graphs; a study based on computer exploration. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 34(3):9–20, September 2000. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Thiery:2008:IAC**
- [Tho08] Nicolas M. Thiéry. Implementing algebraic combinatorics: Some feedback from the development of MuPAD–Combinat (abstract only). *ACM Communications in Computer Algebra*, 42(1–2):20, March/June 2008. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Thome:2009:ACW**
- [Tho09] Emmanuel Thomé. Abstracts of the CADO workshop on integer factorization. *ACM Communications in Computer Algebra*, 43(1):11–14, March 2009. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Tiffany:2015:EMC**
- [Tif15] Patrice Geary Tiffany. Effectively melding computer algebra systems into the calculus curriculum. *ACM Communications in Computer Algebra*, 49(2):49–50, June 2015. CODEN

- ???? ISSN 1932-2232 (print),
1932-2240 (electronic).
- Tian-Jiao:2003:OP**
- [TJ03] Wu Tian-Jiao. On optimization problems. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 37(3):87–88, September 2003. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Tertychniy:1997:GCA**
- [TO97] S. I. Tertychniy and I. G. Obukhova. GRGEC: Computer algebra system for applications to gravity theory. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(1):6–14, March 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Tobey:1970:HNG**
- [Tob70] R. G. Tobey. Historical note on gradient evaluation. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, ??(14):35, January 1970. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Toon:2015:ICD**
- [Too15] Andrew Toon. Investigating complex data and dynamics via computer algebra. *ACM Communications in Computer Algebra*, 49(2):50, June 2015. CO-
- [Tot15] Jonathan Tot. Spinning double pendulum: equilibria and bifurcations. *ACM Communications in Computer Algebra*, 49(2):57, June 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Tot:2015:SDP**
- [Tra00] Carlo Traverso, editor. *IS-SAC 2000: 7–9 August 2000, University of St. Andrews, Scotland: proceedings of the 2000 International Symposium on Symbolic and Algebraic Computation*. ACM Press, New York, NY, USA, 2000. ISBN 1-58113-218-2. LCCN QA76.95.I59 2000. URL <http://www.acm.org/pubs/contents/proceedings/issac/345542/>. ACM order number 505000.
- Traverso:2000:IAU**
- [Tra06] Barry Trager, editor. *Proceedings of the 2006 International Symposium on Symbolic and Algebraic Computation, Genoa, Italy July 09–12, 2006*. ACM Press, New York, NY, USA, 2006. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.
- Trager:2006:PIS**
- [Trager:2015:GRP] Barry Trager. Good reduction of plane curves. *ACM Communications in Computer Algebra*,
- Trager:2015:GRP**

- 49(2):58, June 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Trevisan:1990:RHP**
- [Tre90] Vilmar Trevisan. Recognition of Hurwitz polynomials. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 24(4):26–32, October 1990. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Trinks:1984:CNT**
- [Tri84a] W. Trinks. Comments from number theory on computer algebra. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 18(2):22–23, May 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Trinks:1984:IAR**
- [Tri84b] W. Trinks. On improving approximate results of Buchberger’s algorithm by Newton’s method. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 18(3):7–11, August 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Triulzi:2000:OSU**
- [Tri00] Arrigo Triulzi. OpenMath support under CSL-hosted REDUCE. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 34(2):27–30, June 2000. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Trinks:2011:BMS**
- [Tri11] Wolfgang Trinks. On Buchberger’s method of solving systems of algebraic equations. *ACM Communications in Computer Algebra*, 45(3–4):150–161, September 2011. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Trotter:1982:SFP**
- [Tro82] Hale F. Trotter. Statistics on factoring polynomials mod p and p -adically. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 16(3):24–29, August 1982. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Trott:1997:MSI**
- [Tro97] M. Trott. Mathematica solutions to the ISSAC system challenge 1997. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(4):2–35, December 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Tsarev:1998:FLP**
- [Tsa98] S. P. Tsarev. Factorization of linear partial differential operators and Darboux integrability of nonlinear PDEs (ISSAC’98 poster). *SIGSAM Bulletin*

- (ACM Special Interest Group on Symbolic and Algebraic Manipulation), 32(4):21–28, December 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- [Tsa00] Harrison Tsai. Weyl closure of a D -ideal. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 34(1):29–30, March 2000. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). **Tsai:2000:WCI**
- [Tsi08] Elias P. Tsigaridas. Algebraic computations and applications to geometry (abstract only). *ACM Communications in Computer Algebra*, 42(1–2):22, March/June 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic). **Tsigaridas:2008:ACA**
- [Tsi16] Elias Tsigaridas. SLV: a software for real root isolation. *ACM Communications in Computer Algebra*, 50(3):117–120, September 2016. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic). **Tsigaridas:2016:SSR**
- [Tut73] W. Tuttens. Solution to problem #2: with “a subroutine package for polynomial manipulation” (Polman). *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, ??(28):13, December 1973. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). **Tuttens:1973:SPS**
- [Uga12] Wen tsün Wu. Asian Technology Conference in Mathematics: Applications of Technology in Mathematics Research and Teaching for the 21st Century, December 17–21, 1999, Guangzhou Normal University (GNU), Guangzhou, P. R. China. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(1):32, March 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). **Wu:1999:ATC**
- [ÜHK82] Esteban Segura Ugalde. Polynomial root-finding via structured matrices. *ACM Communications in Computer Algebra*, 46(3–4):118–119, September 2012. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic). **Ugalde:2012:PRF**
- [Üç82] G. Üçoluk, A. Hacınıyan, and E. Karabudak. A proposal for extensions to REDUCE. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 16(2):4–14, May 1982. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). **Üçoluk:1982:PER**

- | | |
|---|---|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">Ullrich:2006:CFF</div> <p>[Ull06] Peter Ullrich. Closed-form formulas for projecting constructible sets in the theory of algebraically closed fields. <i>ACM Communications in Computer Algebra</i>, 40(2):45–48, June 2006. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Usevich:2012:VPM</div> <p>[UM12] Konstantin Usevich and Ivan Markovsky. Variable projection methods for approximate GCD computations. <i>ACM Communications in Computer Algebra</i>, 46(3–4):122–124, September 2012. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Umeda:2006:CDR</div> <p>[US06] Yasushi Umeda and Tateaki Sasaki. Computing determinants of rational functions. <i>ACM Communications in Computer Algebra</i>, 40(1):2–8, March 2006. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Ulmer:1995:NKA</div> <p>[UW95] Felix Ulmer and Jacques-Arthur Weil. Note on Kovacic’s algorithm. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 29(2):10–11, April 1995. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">vanHulzen:1980:CPP</div> <p>[van80] J. A. van Hulzen. Computational problems in producing Taylor coefficients for the rotating disk problem. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 14(2):36–49, May 1980. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">vandenHeuvel:1986:ASR</div> <p>[van86] Pim van den Heuvel. Adding statements to REDUCE. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 20(1–2):8–14, February/May 1986. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Varbanova:2015:CCM</div> <p>[Var15] Elena Varbanova. CAS in the context of methodology of mathematics education. <i>ACM Communications in Computer Algebra</i>, 49(2):48, June 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Vasconcelos:1999:BCI</div> <p>[Vas99] W. V. Vasconcelos. Bounds in the computation of the integral closure. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 33(3):13, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> |
|---|---|

- vanderHoeven:2004:GT**
- [vdH04] Joris van der Hoeven. GNU TeXmacs. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 38(1):24–25, March 2004. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- vanderHoeven:2013:GTS**
- [vdHGG⁺13] Joris van der Hoeven, Andrey Grozin, Massimiliano Gubinelli, Grégoire Lecerf, François Poulain, and Denis Raux. GNU TEXmacs: a scientific editing platform. *ACM Communications in Computer Algebra*, 47(1–2):59–61, March 2013. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- vanderHoeven:2014:SPI**
- [vdHL14] Joris van der Hoeven and Grégoire Lecerf. Sparse polynomial interpolation in practice. *ACM Communications in Computer Algebra*, 48(3/4):187–191, September 2014. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Verbaeten:1974:ACP**
- [Ver74] Joris van der Hoeven. The automatic construction of pure recurrence relations. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 8(3):96–98, August 1974. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Verbaeten:1975:CRZ**
- [Ver75] Joris van der Hoeven, Grégoire Lecerf, Bernard Mourrain, Philippe Trébuchet, Jérémie Berthomieu, Daouda Niang Diatta, and Angelos Mantzaflaris. Mathemagix: the quest of modularity and efficiency for symbolic and certified numeric computation? *ACM Communications in Computer Algebra*, 45(3–4):186–188, September 2011. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- vandeRiet:1973:ASP**
- R. P. van de Riet. The automatic solution of partial differential equations by means of Taylor series using formula-manipulation methods. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, ??(28):33–36, December 1973. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

- | | |
|--|---|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">Verschelde:2010:PHC</div> <p>[Ver10] Jan Verschelde. Polynomial homotopy continuation with PHCpack. <i>ACM Communications in Computer Algebra</i>, 44(4):217–220, December 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">vanHulzen:1974:FTW</div> <p>[vH74] J. A. van Hulzen. FORMAC today, or what can happen to an orphan. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 8(1):5–7, February 1974. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">vanHulzen:1975:SPD</div> <p>[vH75] J. A. van Hulzen. Special purpose differentiation algorithms. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 9(2):14–18, May 1975. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">vanHulzen:1982:EAP</div> <p>[vH82] J. A. van Hulzen and B. J. A. Hulshof. An expression analysis package for REDUCE. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 16(4):32–44, November 1982. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">vanHulzen:1984:SNI</div> <p>[vH84] J. A. van Hulzen. The symbolic-numeric interface. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 18(2):27–28, May 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">vanHoeij:2010:AOC</div> <p>[vH10] Mark van Hoeij. Abstract only: The complexity of factoring univariate polynomials over the rationals. <i>ACM Communications in Computer Algebra</i>, 44(2):24, June 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">vanHoeij:2014:TSS</div> <p>[vHI14] Mark van Hoeij and Erdal Imamoglu. ${}_2F_1$-type solutions of second order differential equations. <i>ACM Communications in Computer Algebra</i>, 48(3/4):143–144, September 2014. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">vanHoeij:2012:FFT</div> <p>[vHK12] Mark van Hoeij and Vijay Jung Kunwar. Finding ${}_2F_1$ type solutions of differential equations with 5 singularities. <i>ACM Communications in Computer Algebra</i>, 46(3–4):96–97, September 2012. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).</p> |
|--|---|

- | | |
|--|---|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">vandenHeuvel:1987:SSP</div> <p>[vHvH87] P. van den Heuvel, B. J. A. Hulshof, and J. A. van Hulzen. Some simple pretty-print facilities for REDUCE. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 21(1):14–17, February 1987. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Vialla:2013:BWA</div> <p>[Via13] Bastien Vialla. Block Wiedemann algorithm on multicore architectures. <i>ACM Communications in Computer Algebra</i>, 47(3–4):102–103, September 2013. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Villard:1998:BSS</div> <p>[Vil98] Gilles Villard. Block solution of sparse linear systems over $gf(q)$: the singular case. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 32(4):10–12, December 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Vejdemo-Johansson:2008:ESU</div> <p>[VJ08] Mikael Vejdemo-Johansson. Enumerating the Saneblidze–Umble diagonal in Haskell (abstract only). <i>ACM Communications in Computer Algebra</i>, 42(1–2):20, March/June 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">Volpi:1995:RIM</div> <p>[Vol95] Aldo Volpi. p-th roots for integers modulo p^n and for p-Adic integers. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 29(2S (special issue)):9–15, June 1995. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Volcheck:1996:TRC</div> <p>[Vol96] Emil Volcheck. Technical report column: INRIA and RISC-Linz. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 30(3):26–28, September 1996. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Volcheck:1997:TRCc</div> <p>[Vol97a] Emil Volcheck. Technical report column. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 31(4):50–53, December 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Volcheck:1997:TRCa</div> <p>[Vol97b] Emil Volcheck. Technical report column: INRIA and RISC-Linz. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 31(1):24–25, March 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> |
|--|---|

- Volcheck:1997:TRCb**
- [Vol97c] Emil Volcheck. Technical report column: INRIA-Rocquencourt, Research Institute for Symbolic Computation, University of Passau, Germany. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(2):22–31, June 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Volcheck:1998:PSC**
- [Vol98] E. Volcheck. Parallel Symbolic Computing Workshop, October 1–3, 1998, Mathematical Sciences Research Institute, Berkeley, CA, USA. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 32(4):29–30, December 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Voros:1980:SCS**
- [Vor80] A. Voros. Symbol calculus by symbolic computation and semi-classical expansions. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 14(3):7, August 1980. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- vonTschirnhaus:2003:MRA**
- [vTG03] Ehrenfried Walter von Tschirnhaus and R. F. Green. A method for removing all intermediate terms from a given equation. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 37(1):1–3, March 2003. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Verschelde:2015:PHC**
- [VY15] Jan Verschelde and Xiangcheng Yu. Polynomial homotopy continuation on GPUs. *ACM Communications in Computer Algebra*, 49(4):130–133, December 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- vonzurGathen:1992:PFC**
- [vzG92] Joachim von zur Gathen. A polynomial factorization challenge. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 26(2):22–24, April 1992. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Wall:1989:CS**
- [Wal89] B. Wall. On the computation of syzygies. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 23(4):5–14, October 1989. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

- | | |
|--|--|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">Wang:1975:FMP</div> <p>[Wan75] Paul S. Wang. Factoring multivariate polynomials over algebraic number fields in MACSYMA. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 9(3):21–23, August 1975. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Wang:1976:FLM</div> <p>[Wan76a] Paul S. Wang. Factoring larger multivariate polynomials. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 10(4):42, November 1976. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Wang:1976:ISC</div> <p>[Wan76b] Paul S. Wang. Implications of symbolic computation for the teaching of mathematics. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 10(3):15–18, August 1976. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Wang:1977:ESD</div> <p>[Wan77] Paul S. Wang. An efficient squarefree decomposition algorithm. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 11(2):4–6, May 1977. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">Wang:1978:Aa</div> <p>[Wan78a] Paul S. Wang. Abstracts. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 12(2):8–9, May 1978. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Wang:1978:Ab</div> <p>[Wan78b] Paul S. Wang. Abstracts. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 12(2):13–17, May 1978. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Wang:1978:SIS</div> <p>[Wan78c] Paul S. Wang. Seminar on Introduction to Symbolic and Algebraic Manipulation. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 12(2):10–12, May 1978. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Wang:1978:SNM</div> <p>[Wan78d] Paul S. Wang. SIAM 1978 national meeting: invited lectures. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 12(3):6–7, August 1978. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> |
|--|--|

- | | |
|--|---|
| <p>Wang:1979:A</p> <p>[Wan79a] Paul S. Wang. Abstracts. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 13(1): 12–13, February 1979. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <p>Wang:1979:ECP</p> <p>[Wan79b] Paul S. Wang. EUROSAM'79 conference proceedings. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 13(4): 8–15, November 1979. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <p>Wang:1980:EGA</p> <p>[Wan80a] Paul S. Wang. The EEZ-GCD algorithm. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 14(2):50–60, May 1980. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <p>Wang:1980:TAMb</p> <p>[Wan80b] Paul S. Wang. Titles and abstracts: mathematical symbolic manipulation on the computer. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 14(2):20–22, May 1980. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> | <p>Wang:1980c</p> <p>[Wan80c] Paul S. Wang. Titles and abstracts: mathematical symbolic manipulation on the computer and applications. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 14(1): 6–7, February 1980. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <p>Wang:1981:SPA</p> <p>[Wan81] Paul S. Wang, editor. <i>SYMSAC '81: proceedings of the 1981 ACM Symposium on Symbolic and Algebraic Computation, Snowbird, Utah, August 5–7, 1981</i>. ACM Press, New York, NY, USA, 1981. ISBN 0-89791-047-8. LCCN QA155.7.E4 A28 1981. US\$23.00. ACM order no. 505810.</p> <p>Wang:1989:PCL</p> <p>[Wan89] D. Wang. A program for computing the Liapunov functions and Liapunov constants in Scratchpad II. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 23(4): 25–31, October 1989. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <p>Wang:1991:TMI</p> <p>[Wan91] Dongming Wang. A toolkit for manipulating indefinite summations with application to neural networks. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Al-</i></p> |
|--|---|

- [Wan92] Paul S. Wang, editor. *Proceedings of ISSAC '92. International Symposium on Symbolic and Algebraic Computation*. ACM Press, New York, NY, USA, 1992. ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN QA76.95.I59 1992. ACM order number: 505920.
- Wang:1992:PII**
- [Wan98] Dongming Wang. Unmixed and prime decomposition of radicals of polynomial ideals. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 32(4):2–9, December 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Wang:1998:UPD**
- [Wan06a] Zhendong Wan. ISSAC 2005 poster abstracts. *ACM Communications in Computer Algebra*, 40(1):9–14, March 2006. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Wan:2006:IPAA**
- [Wan06b] Zhendong Wan. ISSAC 2006 poster abstracts. *ACM Communications in Computer Algebra*, 40(3–4):86–87, September–December 2006. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Wan:2006:IPAb**
- [Wan13] James G. Wan. Hypergeometric generating functions and series for $1/\pi$. *ACM Communications in Computer Algebra*, 47(3–4):114–115, September 2013. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Wan:2013:HGF**
- [Wat91] Stephen M. Watt, editor. *ISSAC '91: proceedings of the 1991 International Symposium on Symbolic and Algebraic Computation, July 15–17, 1991, Bonn, Germany*. ACM Press, New York, NY, USA, 1991. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991.
- Watt:1991:IPI**
- [Wat96] S. M. Watt. Message from the chair. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 30(1):1, March 1996. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Watt:1996:MC**
- [Wat97a] S. M. Watt. SIGSAM executive elections. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(1):28, March 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Watt:1997:SEE**
- [Wat97b] Stephen M. Watt. Message from the Past Chair. *SIGSAM*
- Watt:1997:MPC**

- Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(3):2, September 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Watt:1998:RSN**
- [Wat98a] Stephen Watt. Report of the SIGSAM Nominating Committee. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 32(4):1, December 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Watt:1998:PSM**
- [Wat98b] Stephen M. Watt. Positions in symbolic mathematical computation at the University of Western Ontario. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 32(3):1, September 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Watt:2005:AG**
- [Wat05] Stephen M. Watt. Algebraic generalization. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 39(3):93–94, 2005. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). ISSAC 2005 poster abstract.
- [Wat08] [WB83] [WB95] [WBD12]
- Watt:2008:FDM**
- Stephen M. Watt. On the functional decomposition of multivariate Laurent polynomials (abstract only). *ACM Communications in Computer Algebra*, 42(1–2):89–90, March/June 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Winkler:1983:CEU**
- F. Winkler and B. Buchberger. A criterion for eliminating unnecessary reductions in the Knuth-Bendix algorithm (abstract). *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 17(3–4):20, August/November 1983. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Wolf:1995:ICR**
- Thomas Wolf and Andreas Brand. Investigating DEs with CRACK and related programs. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 29(2S (special issue)):1–8, June 1995. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Wilson:2012:RCE**
- David J. Wilson, Russell J. Bradford, and James H. Davenport. A repository for CAD examples. *ACM Communications in Computer Algebra*, 46(3–4):

- 67–69, September 2012. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Wu:2012:EAF**
- [WCF12] Wenyuan Wu, Jingwei Chen, and Yong Feng. An efficient algorithm to factorize sparse bivariate polynomials over the rationals. *ACM Communications in Computer Algebra*, 46(3–4):125–126, September 2012. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Weber:1990:EHP**
- [Web90] Ken Weber. An experiment in high-precision arithmetic on shared memory multiprocessors. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 24(2):22–40, April 1990. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Weber:1996:CRE**
- [Web96] Andreas Weber. Computing radical expressions for roots of unity. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 30(3):11–20, September 1996. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Weeks:1974:FRA**
- [Wee74] Dennis Weeks. Formal representations for algebraic numbers. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 8(3):91–95, August 1974. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Weispfenning:1987:AOL**
- Volker Weispfenning. Admissible orders and linear forms. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 21(2):16–18, February 1987. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Weispfenning:1997:IR**
- Volker Weispfenning. ISSAC '98 Rostock. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(3):62–63, September 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Weispfenning:2000:DLE**
- Volker Weispfenning. Deciding linear-exponential problems. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 34(1):30–31, March 2000. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Weimann:2015:CGM**
- Martin Weimann. Computing gonal maps of algebraic curves. *ACM Communications in Computer Algebra*, 49(3–4):1–2, September 2015. CODEN SIGSBZ. ISSN 1932-2232 (print), 1932-2240 (electronic).

- in Computer Algebra*, 49(2):55, June 2015. CODEN ??? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Wester:1996:A**
- [Wes96] Michael Wester. ACA '97. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 30(3):29, September 1996. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Wang:1982:ARR**
- [WGD82] Paul S. Wang, M. J. T. Guy, and J. H. Davenport. P -adic reconstruction of rational numbers. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 16(2):2–3, May 1982. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Wheeler:1987:BP**
- [Whe87] F. S. Wheeler. Bell polynomials. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 21(3):44–53, August 1987. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- White:1978:LST**
- [Whi78] Jon L. White. LISP/370: a short technical description of the implementation. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 12(4):23–27, August 1978. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Wibmer:2015:JHT**
- [Wib15] Michael Wibmer. A Jordan-Hölder theorem for difference algebraic groups. *ACM Communications in Computer Algebra*, 49(1):28, March 2015. CODEN ??? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Williamson:1984:TSS**
- [Wil84] Clifton Williamson, Jr. Taylor series solutions of explicit ODE's in a strongly typed algebra system. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 18(1):25–29, February 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Willcock:1992:TCL**
- [Wil92] Diane M. Koorey Willcock. Tlisp: A Concurrent Lisp for the Transputers. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 26(4):15–23, November 1992. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Willis:2001:EDE**
- [Wil01] Barton L. Willis. An extensible differential equation solver. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 35(1):3–7, March 2001.

- CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Winkler:1984:CRP**
- [Win84] Franz Winkler. The Church–Rosser property in computer algebra and special theorem proving: an investigation of critical-pair/completion algorithms (Ph.D. thesis). *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 18(3):22, August 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Winkler:1997:YGB**
- [Win97] Franz Winkler. 33 years of Gröbner bases. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(3):64, September 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Winkler:1998:YGB**
- [Win98] F. Winkler. 33 years of Gröbner bases. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 32(2):38–39, June 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Wise:1984:RMQ**
- [Wis84] David S. Wise. Representing matrices as quadtrees for parallel processors: extended abstract. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 18(3):24–25, August 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Watt:1999:EM**
- [WL99] Stephen M. Watt and Xuehong Li. Examples of MathML. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(1):1–4, March 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Wang:2008:FPD**
- [WL08] Mingsheng Wang and Jinwang Liu. Factorization problems on n -D polynomial matrices (abstract only). *ACM Communications in Computer Algebra*, 42(1–2):88–89, March/June 2008. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Watanabe:1990:IPI**
- [WN90] Shunro Watanabe and Morio Nagata, editors. *ISSAC '90: proceedings of the International Symposium on Symbolic and Algebraic Computation: August 20–24, 1990, Tokyo, Japan*. ACM Press and Addison-Wesley, New York, NY, USA and Reading, MA, USA, 1990. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990.

- | | |
|---|--|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">Wolf:2005:PCS</div> <p>[Wol05] Thomas Wolf. The package CRACK for solving large overdetermined systems. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 39(3):95–96, 2005. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). ISSAC 2005 poster abstract.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Wolf:2008:SLS</div> <p>[Wol08a] Thomas Wolf. On solving large systems of polynomial equations appearing in discrete differential geometry. <i>ACM Communications in Computer Algebra</i>, 42(3):131–134, September 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Wolfe:2008:DTA</div> <p>[Wol08b] Randall Wolfe. Divisibility tests (abstract only). <i>ACM Communications in Computer Algebra</i>, 42(1–2):90, March/June 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Wolfram:2013:RRC</div> <p>[Wol13] Stephen Wolfram. Remembering Richard Crandall (1947–2012). <i>ACM Communications in Computer Algebra</i>, 47(1–2):14–15, March 2013. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">WR73</div> <p>[WR73] Paul S. Wang and L. Preiss Rothschild. Factoring multivariate polynomials over the integers. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, ??(28):21–29, December 1973. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Weber:1979:PSR</div> <p>[WR79] Lawrence A. Weber and Gerhard Rayna. Problem #11 solved in REDUCE: a case study in program translation. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 13(4):21–24, November 1979. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Wright:2000:IMW</div> <p>[Wri00] Francis J. Wright. Interactive mathematics via the Web using MathML. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 34(2):49–57, June 2000. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Wester:1999:IAC</div> <p>[WRL99] Michael Wester and Eugenio Roanes-Lozano. IMACS Applications of Computer Algebra Conference 1999: Summary. <i>SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)</i>, 33(2):1–10, June 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).</p> |
|---|--|

- Special Interest Group on Symbolic and Algebraic Manipulation),* 33(2):53–57, June 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Wester:1983:EMC**
- [WS83] Michael Wester and Stanly Steinberg. An extension to MACSYMA's concept of functional differentiation. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 17(3–4):25–30, August/November 1983. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Wolf:2013:LSS**
- [WSW13] Thomas Wolf, Eberhard Schrüfer, and Kenneth Webster. A linear sparse systems solver (LSSS) applied to the classification of integrable non-abelian Laurent ODEs. *ACM Communications in Computer Algebra*, 47(3–4):122–123, September 2013. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Wiesinger-Widi:2011:GBG**
- [WW11] Manuela Wiesinger-Widi. Gröbner bases and generalized Sylvester matrices. *ACM Communications in Computer Algebra*, 45(2):137–138, June 2011. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Xambo:1999:UOE**
- [Xam99] S. Xambó. Using OMEGA for the effective construction, coding and decoding of block error-correcting codes. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(3):13, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Xia:2007:DTS**
- Bican Xia. DISCOVERER: a tool for solving semi-algebraic systems. *ACM Communications in Computer Algebra*, 41(3):102–103, September 2007. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Xie:2007:FAM**
- Yuzhen Xie. Fast algorithms, modular methods, parallel approaches and software engineering for solving polynomial systems symbolically. *ACM Communications in Computer Algebra*, 41(3):101, September 2007. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Xue:2015:PIS**
- Michael Xue. Prove inequalities by solving maximum/minimum problems using a computer algebra system. *ACM Communications in Computer Algebra*, 49(2):50, June 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).

- Yanami:2007:SMT**
- [YA07] Hitoshi Yanami and Hirokazu Anai. SyNRAC: a Maple toolbox for solving real algebraic constraints. *ACM Communications in Computer Algebra*, 41(3):112–113, September 2007. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Yan:1991:RFA**
- [Yan91] Tak W. Yan. A rational function arithmetic and simplification system in Common Lisp. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 25(4):4–6, October 1991. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Yasuda:2008:DLP**
- [Yas08] Masaya Yasuda. The discrete logarithm problem on elliptic curves defined over Q (abstract only). *ACM Communications in Computer Algebra*, 42(1–2):64–66, March/June 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Yasuda:2015:MQC**
- [YDH⁺15] Takanori Yasuda, Xavier Da-han, Yun-Ju Huang, Tsuyoshi Takagi, and Kouichi Sakurai. A multivariate quadratic challenge toward post-quantum generation cryptography. *ACM Communications in Computer Algebra*, 49(3):105–107, September 2015. CODEN ????
- Yuhasz:2008:CMG**
- [YK08] George Yuhasz and Erich Kaltofen. Computing minimal generators of integer matrix sequences (abstract only). *ACM Communications in Computer Algebra*, 42(1–2):91, March/June 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Youse:2010:AOB**
- [YS10] Bryan Youse and B. David Saunders. Abstract only: Bitslicing with matrix algorithms oblivious to the data compression. *ACM Communications in Computer Algebra*, 44(2):26, June 2010. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Yun:1973:ASS**
- [Yun73] David Y. Y. Yun. On algorithms for solving systems of polynomial equations. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, ??(27):19–25, September 1973. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Yun:1974:ADR**
- [Yun74] David Y. Y. Yun. A p -adic division with remainder algorithm. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 8:

- (4):27–32, November 1974. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Zassenhaus:1984:PSE**
- [Zas84] H. Zassenhaus. Position statement for EUROCAL 85: the efficiency of mathematical models. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 18(2):8–9, May 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Zeilberger:1991:MPP**
- [Zei91] Doron Zeilberger. A Maple program for proving hypergeometric identities. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 25(3):4–13, July 1991. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Zeilberger:2012:FWH**
- [Zei12] Doron Zeilberger. Farewell to “W” (Herbert Saul Wilf), a true VISIONARY for whom EVERYTHING was INTERTWINED. *ACM Communications in Computer Algebra*, 46(1–2):12–13, March/June 2012. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Zeller:2008:IPC**
- [Zel08] Dean Zeller. An introduction to programming curriculum including elements of mathematics, art, and creative writing
- (abstract only). *ACM Communications in Computer Algebra*, 42(1–2):91, March/June 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Zeng:2004:MPC**
- Zhonggang Zeng. A Matlab package computing polynomial roots and multiplicities. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 38(1):28–29, March 2004. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Zeng:2008:AST**
- Zhonggang Zeng. ApaTools: a software toolbox for approximate polynomial algebra. *ACM Communications in Computer Algebra*, 42(3):177–179, September 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Zhao:2013:GKD**
- Xiangui Zhao. Gelfand–Kirillov dimensions of differential difference modules via Gröbner bases. *ACM Communications in Computer Algebra*, 47(3–4):94–95, September 2013. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Zhong:1982:AAC**
- R. Zhong. An algorithm for avoiding complex numbers in rational function integration.

- SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 16(3):30–32, August 1982. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic). [Zie15]
- Zhou:2007:SCT**
- [Zho07] Wenqin Zhou. Symbolic computation techniques for solving large expression problems from mathematics and engineering. *ACM Communications in Computer Algebra*, 41(4):125–126, December 2007. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic). [Zim76]
- Zhou:2008:EOB**
- [Zho08] Wei Zhou. Efficient order basis computation (abstract only). *ACM Communications in Computer Algebra*, 42(1–2):91, March/June 2008. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic). [Zim84a]
- Zhou:2015:CAB**
- [Zho15] Jie Zhou. The computations and applications based on comprehensive Groebner system. *ACM Communications in Computer Algebra*, 49(3):109–110, September 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic). [Zhu15]
- Zhu:2015:CAB**
- [Zhu15] Wei Zhu. The computations and applications based on comprehensive Groebner system. *ACM Communications in Computer Algebra*, 49(3):110, September 2015. CODEN ???? ISSN 1932-2232 (print), 1557-9492 (electronic). [Zie15]
- September 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Ziegler:2015:ARD**
- Konstantin Ziegler. Abstracts of recent doctoral dissertations in computer algebra. *ACM Communications in Computer Algebra*, 49(2):67, June 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).
- Zimmer:1976:FPA**
- Horst G. Zimmer. Factorization of polynomials according to a method of Zassenhaus'. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 10(4):43–45, November 1976. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Zimmer:1984:CNE**
- H. G. Zimmer. Congruent numbers — from elementary to algebraic number theory. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 18–19(4–1):54–62, November/February 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Zimmer:1984:AAN**
- Horst G. Zimmer. Algorithms in algebraic number theory. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 18(2):25–26, May 1984.

- CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Zimmer:1997:TEI**
- [Zim97] Horst G. Zimmer. Three examples of S -integral points on elliptic curves over Q . *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 31(2):10–21, June 1997. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Zima:1998:ACPa**
- [Zim98a] Eugene Zima. Announcements: Call for posters: ISSAC '99 Vancouver. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 32(3):32, September 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Zima:1998:ACPb**
- [Zim98b] Eugene Zima. Announcements: Call for posters: ISSAC '99 Vancouver. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 32(4):32, December 1998. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Zima:1999:IPA**
- [Zim99] Eugene Zima. ISSAC'99 poster abstracts: Session I. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 33(3):20–27, September 1999. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Zima:2000:IPA**
- [Zim00] Eugene Zima. ISSAC'99 poster abstracts: Session II. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 34(1):18–31, March 2000. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Zimmermann:2003:SCT**
- [Zim03] Burkhard Zimmermann. A Sister Celine type algorithm for definite summation and integration. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 37(3):89, September 2003. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Zima:2014:DIS**
- [Zim14] Eugene V. Zima. Direct indefinite summation. *ACM Communications in Computer Algebra*, 48(3/4):145–147, September 2014. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Zippel:1975:MSP**
- [Zip75] Richard Zippel. A MACSYMA solution to problem 8. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 9(1):10–12, February 1975. CO-

- DEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Zippel:1984:FCA**
- [Zip84] Richard Zippel. The future of computer algebra. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 18(2):6–7, May 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Zengler:2011:BGB**
- [ZK11] Christoph Zengler and Wolfgang Küchlin. Boolean Gröbner bases in SAT solving. *ACM Communications in Computer Algebra*, 45(2):141–142, June 2011. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Zengler:2011:NAB**
- [ZKK11] Christoph Zengler, Andreas Kübler, and Wolfgang Küchlin. New approaches to Boolean quantifier elimination. *ACM Communications in Computer Algebra*, 45(2):139–140, June 2011. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Zeng:2013:NMT**
- [ZL13] Zhonggang Zeng and Tien-Yien Li. NAclab: a Matlab toolbox for numerical algebraic computation. *ACM Communications in Computer Algebra*, 47(3–4):170–173, September 2013. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Zeilberger:2008:CGC**
- [ZT08] Doron Zeilberger and Thotsaporn Aek Thanatipanonda. Computer-generated conjectures(!) and proofs(!!) in combinatorial game theory (abstract only). *ACM Communications in Computer Algebra*, 42 (1–2):19–20, March/June 2008. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).
- Zwillinger:1984:CP**
- [Zwi84] Daniel Zwillinger. Completing the L -th power in $Z[x]$. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 18(3):20–22, August 1984. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).
- Zhang:2015:GKD**
- [ZZ15] Yang Zhang and Xiangui Zhao. Gelfand–Kirillov dimension of differential difference algebras. *ACM Communications in Computer Algebra*, 49 (1):32, March 2015. CODEN ????. ISSN 1932-2232 (print), 1932-2240 (electronic).